# **SERVICE MANUAL**

# **BG-1S** CHASSIS

MODEL

COMMANDER DEST.

CHASSIS NO.

MODEL

COMMANDER DEST. CHASSIS NO.

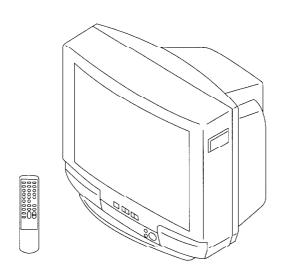
 KV-T25MN8
 RM-870
 Hong Kong
 SCC-J16H-A

 KV-T25MN81
 RM-870
 GE
 SCC-J40Q-A

 KV-T25SF8
 RM-870
 Australia
 SCC-J99C-A

 KV-T25SF81
 RM-870
 New Zealand
 SCC-K37C-A

New Zealand 300-K37C-A







# **SPECIFICATIONS**

		Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Channel coverage		
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41	
1	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41	
D/K	VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 /	*****
	CATV: S01 to S03, S1 to S41, Z1 to Z39	KV-G25M11
	VHF: R1 to R12 / UHF: R21 to R60 / CATV: S01 to S03, S1 to S41	except KV-G25M11
M	VHF: A2 to A13 / UHF: A14 to A79/	
	CATV : A-8 to A-2, A to W+4, W+6 to W+8	KV-G25M11
	VHF: A2 to A13 / UHF: A14 to A79 /	
	CATV : A-8 to A-1, A to D, F to W+21, W+23 to W+84	except KV-G25M11
Audio output (speaker)	5W	
Inputs	Antenna: 75 ohms	
	VIDEO IN jacks: phono jacks	
	Video: 1 Vp-p, 75 ohms	
	Audio: 500 mVrms, high impedance	
Outputs	Earphone jack: minijack	*****
	MONITOR OUT jacks: phono jacks	
	Video: 1 Vp-p, 75 ohms	
	Audio: 500 mVrms	
Picture tube	25 in.	
Tube size (cm)	64	Measured diagonally
Screen size (cm)	60	Measured diagonally
Dimensions (w/h/d, mm)	613 × 542 × 472	- 5.
Mass (kg)	32	

Design and specifications are subject to change without notice.

### CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

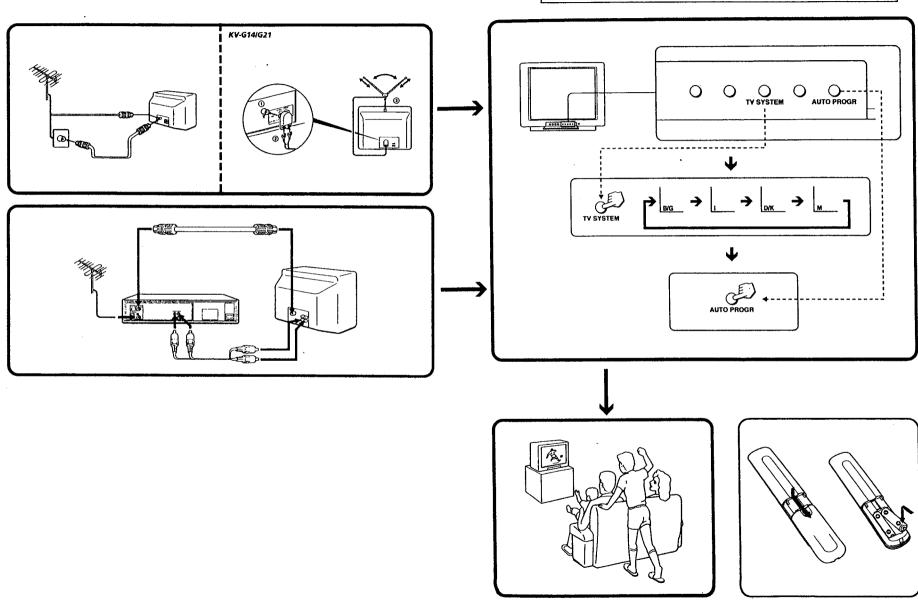
# SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

# **TABLE OF CONTENTS**

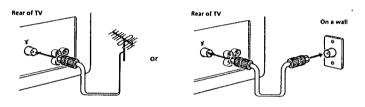
Se	ction	<u>Title</u>	<u>Page</u>	Section	<u>Title</u>	Page
1.	GEN	ERAL ·····	·· 4	5. DIAC 5-1.	GRAMS Block Diagrams	. 22
2.	DISA	SSEMBLY		5-1. 5-2.	Circuit Boards Location · · · · · · · · · · · · · · · · · · ·	
	2-1.	Rear Cover Removal · · · · · · · · · · · · · · · · · · ·	9	5-3.	Schematic Diagrams and Printed Wiring Boards	21
	2-2.	A Board Removal · · · · · · · · · · · · · · · · · · ·		(1)	Schematic Diagram of A Board · · · · · · · · · · · · · · · · · · ·	• 31
	2-3.	Service Position · · · · · · · · · · · · · · · · · · ·		(2)	Schematic Diagrams of A1, C, F1 and V1 Boards	
	2-4.	Replacement of Parts · · · · · · · · · · · · · · · · · · ·		5-4.	Semiconductors	
	2-5.	Demagnetization Coil Removal · · · · · · · · · · · · · · · · · · ·			34	7.
	2-6.	Picture Tube Removal · · · · · · · · · · · · · · · · · · ·		6. EXP	LODED VIEWS	
				6-1.	Chassis · · · · · · · · · · · · · · · · · ·	. 43
-	SET-	UP ADJUSTMENTS				
	3-1.	Beam Landing	· 13	7. ELEC	CTRICAL PARTS LIST	. 45
	3-2.	Convergence · · · · · · · · · · · · · · · · · · ·				
	3-3.	Focus Adjustment · · · · · · · · · · · · · · · · · · ·				
	3-4.	G2 (Screen) and White Balance Adjustments · ·				
4.	CIRC	CUIT ADJUSTMENTS				
	4-1.	Adjustments with Commander · · · · · · · · · · · · · · · · · · ·	18			
	4-2.	Adjustment Method · · · · · · · · · · · · · · · · · · ·				
	4-3.	A Board Adjustment after IC003 (Memory)				
		Replacement · · · · · · · · · · · · · · · · · · ·	. 21			
	4-4.	Picture Distortion Adjustment · · · · · · · · · · · · · · · · · · ·				
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The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.



-4-

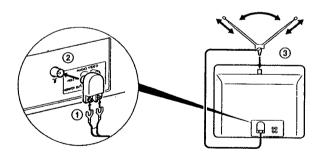
Attach an optional IEC antenna connector to the 75-ohm coaxial cable. Plug the connector into the \ (antenna) socket at the rear of the TV.



### Connecting an indoor antenna

### ■ KV-G14/G21

S



You are advised to use an outdoor antenna for better reception.

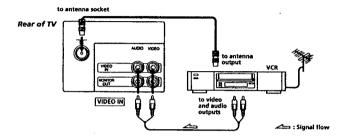
# 4-EN | Getting Started

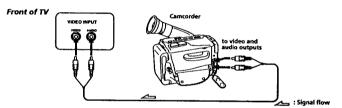
MC-Service

### **Connecting optional equipment**

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, or video

### Connecting video equipment using VIDEO IN jacks

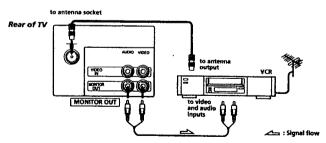




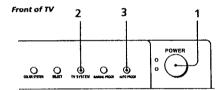
### When using the video input jacks

Do not connect video equipment to the VIDEO input jacks at the front and the rear of your TV simaltaneously; otherwise the picture will not be displayed properly on the screen.

### Connecting audio/video equipment using MONITOR OUT jacks



When recording through the MONITOR OUT jacks If you change the channel or video input while recording with a VCR, the channel or video input you are recording also will be



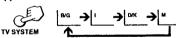
1 Press POWER.

O

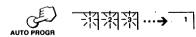


When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Press TV SYSTEM until your local TV system



3 Press AUTO PROGR



To start presetting channels automatically from the specified program position

- 1 Press MANUAL PROGR.
- 2 Press TV SYSTEM to select your local TV system.
- 3 Press PROGR +/- to select the program position.
- 4 Press AUTO PROGR.

F-EN | Getting Started

### Presetting channels manually

To change the channel for a particular program position or to receive a channel with a weak signal, preset the channel manually.

- 1 Press MANUAL PROGR.
- 2 Press PROGR +/- until the required program position appears on the screen.
- 3 Press TV SYSTEM until your local TV system appears.
- 4 Press VOLUME +/- on the TV until the required channel picture appears on the screen.
- 5 Press MANUAL PROGR.

### If the TV system is not properly selected

The color of the picture may be poor and/or the sound may be noisy. In this case, select the appropriate TV

- 1 Press PROGR +/- to select the program position.
- 2 Press TV SYSTEM until the picture and sound become normal.

- . If you do not know your local TV system, consult your nearest authorized service center or dealer.
- . The setting of the TV SYSTEM is memorized for each program position.

### Disabling program positions

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR +/-.

- 1 Press PROGR +/- until the unused or unwanted program position appears on the
- 2 Press MANUAL PROGR.
- 3 Press PIC MODE on the remote commander.
- 4 Press MANUAL PROGR.

### To cancel the skip setting

Preset the channel manually or automatically again.

### **Operations**

# Watching the TV

1 Press POWER to turn the TV on.



When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Select the TV channel you want to watch.

### To select a channel directly

Press a number button



To select a two-digit channel, press "-/--" before the number buttons.

For example: to select channel 25, press "-/--," and then "2" and "5."



### To scan through channels

Press PROGR +/- until the channel you want appears.



3 Press VOL +/- to adjust the volume.



### Switching off the TV

To switch off the TV temporarily, press POWER on the remote commander.



To switch off the TV completely, press POWER on the

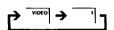
If the power on the TV is turned off in standby mode. the STANDBY indicator may remain alight for a while.



### Watching the video input

Press VIDEO/HOLD.



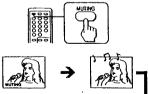


To watch TV, press TV.



### Muting the sound

Press MUTING.

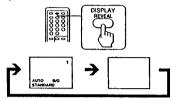


Operations | 7 -EN

### Displaying on-screen information

### Press DISPLAY/REVEAL.

The program position, local system, and TV settings are displayed on the screen.



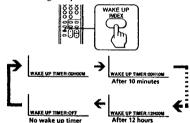
# MC-Service

### Setting the Wake Up Timer

You can set the TV to turn on automatically after the period of time you want.

1 Press WAKE UP/INDEX repeatedly to set the

The on-screen display appears and the WAKE UP indicator lights up.



- 2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video mode.
- 3 Press POWER on the remote commander or set the Sleep Timer to turn off the TV in standby mode.

To cancel the Wake Up Timer, press WAKE UP/INDEX repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

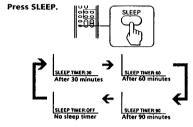
 The Wake Up Timer starts immediately after the on-screen display disappears.

**8-EN | Operations** 

- The last TV program position or video mode just before the TV turns into Standby mode will appear when the TV turns on using the Wake Up Timer.
- . If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. When you want to continue watching the TV, press any button or control on the TV or remote commander.

### **Setting the Sleep Timer**

You can set the TV to turn off automatically after the period of time you want.



To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

### Changing the on-screen display language

If you prefer Chinese to English, you can change the on-screen display language. You can use buttons on both the remote commander and the TV.



1 Press SELECT until the screen appears as follows:



2 Press + or - to select "中文".



. You can also use VOLUME +/- on the TV to select the onscreen display language.

# Adjusting the picture



### Selecting the picture mode

Press PIC MODE until the mode you want appears.



Each time you press PIC MODE, the screen changes as follow:



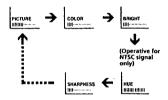
. If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

### Adjusting the picture setting

1 Press SELECT until the item you want to adjust appears.



Each time you press SELECT, the screen changes as follows:



2 Press +/- to adjust the item.



3 To adjust other items, repeat steps 1 and 2.

• You can also use VOLUME +/- on the TV to adjust the picture

### If the color of the picture is abnormal

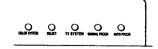
When receiving programs through the T terminal: Press TV SYSTEM or COLOR SYSTEM or adjust the color setting until the color becomes normal.

. Normally set COLOR SYSTEM to AUTO.

### If the sound is distorted or noisy

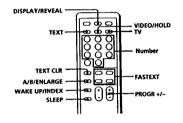
When receiving programs through the \( \mathbb{T} \) terminal: Press TV SYSTEM until the sound becomes clear.

Front of TV



# **Viewing Teletext**

### ■ KV-G25M11 only



### **Displaying Teletext**

- 1 Select a TV channel which carries the Teletext broadcast you want to watch.
- 2 Press TEXT to display the Teletext. A Teletext page is displayed (normally the index page). If there is no Teletext broadcast, 100 is displayed at the top left corner of the screen.

To cancel the Teletext display, press TV....

### Superimposing a Teletext page on the TV picture

Press TEXT.

Each time you press TEXT, the screen changes as follows



### Checking the contents of a Teletext service (INDEX)

Press WAKE UP/INDEX to display an overview of the Teletext contents and page numbers.

### Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT page is broadcasted, a color-coded menu appears at the bottom of the screen. The colors of the menu correspond to the RED, GREEN, YELLOW, and CYAN buttons on the remote commander.

Press the color button which corresponds to the color-

The page is displayed after a few seconds.

### Selecting a Teletext page

To input the three-digit page number of the Teletext page, press the number buttons.

If you make a mistake, key in the correct page number

To access the next or previous page, press PROGR +/-.

### Holding a Teletext page (subpage)

Press VIDEO/HOLD.

The HOLD symbol "G" is displayed at the top left corner of the screen.

To resume normal Teletext operation, press VIDEO/ HOLD again or TEXT.

### Revealing concealed information

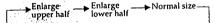
Press DISPLAY/REVEAL.

To conceal the information, press DISPLAY/REVEAL again...

### **Enlarging the Teletext display**

Press A/B/ENLARGE.

Each time you press A/B/ENLARGE, the Teletext display changes as follows:



### Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

- 1 Key in the page number of the Teletext that you want to refer, then press TEXT CLR.
- 2 When the page number is displayed on the screen, press TEXT to switch the Teletext on.

### Additional Information

# **Troubleshooting**

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.

If the problem persists, contact your nearest authorized service center or dealer.

### Snowy picture Noisy sound





- Check the antenna
- Check the antenna connection on the TV and on the wall.
- → Check the TV SYSTEM setting.

### **Dotted lines or stripes**



→ This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). Adjust the antenna for minimum interference.

### Double images or "ghosts"



This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

### Note on the remote commander

. The supplied remote commander is used on several models of the TV. If you do not find insructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. TEXT.

### Good picture Noisy sound





→ Check the TV SYSTEM setting.

### No picture No sound





- → Press POWER.
- → Check the antenna connection.
- → Check the VCR connections.
- → Check the power cord connection.
- →Check the standby mode.

### Good picture No sound





- → Press VOLUME
- → Press MUTING.

### No color



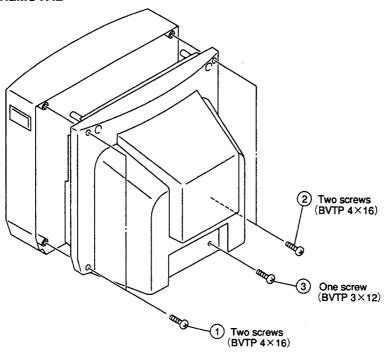
- → Adjust the COLOR level in the on-screen display.
- → Check the COLOR SYSTEM setting.

### TV cabinet creaks

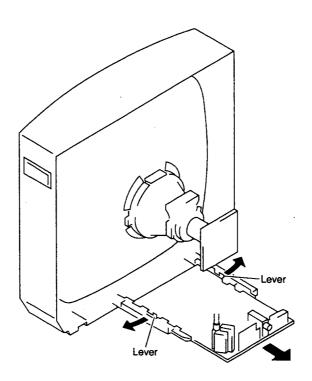
→ Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

# SECTION 2 DISASSEMBLY

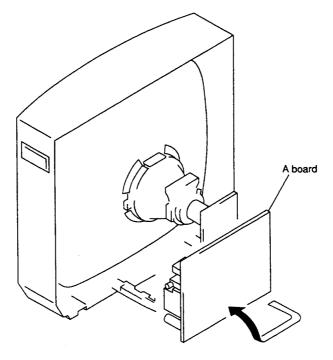
# -1. REAR COVER REMOVAL



# \_-2. A BOARD REMOVAL



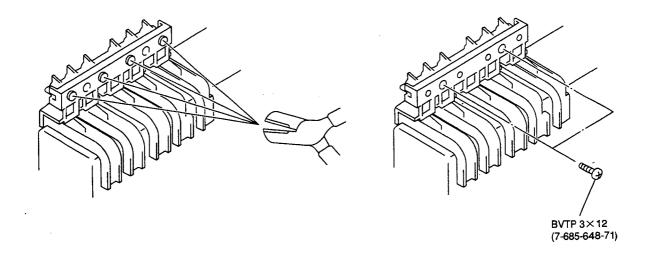
# 2-3. SERVICE POSITION



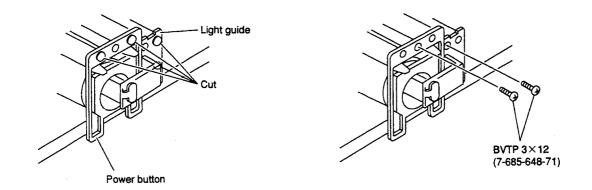
# 2-4. REPLACEMENT OF PARTS

For replacement of the Multi Button, Power Button and Light Guide, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

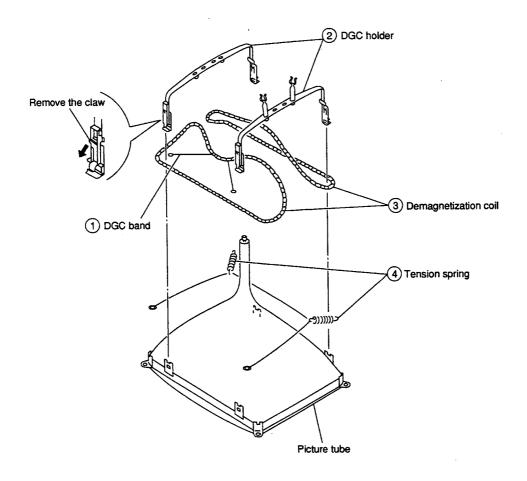
# 2-4-1. REPLACEMENT OF MULTI BUTTON

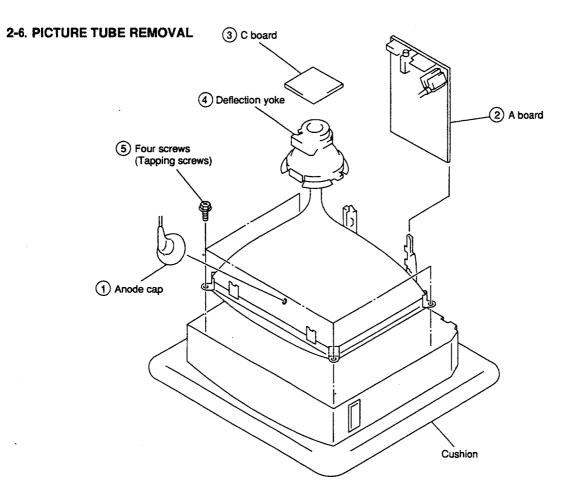


# 4-2. REPLACEMENT OF LIGHT GUIDE, POWER BUTTON



# 2-5. DEMAGNETIZATION COIL REMOVAL

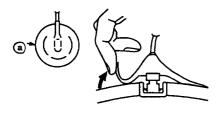


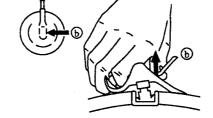


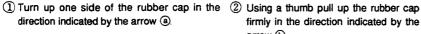
# • REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

# • REMOVING PROCEDURES





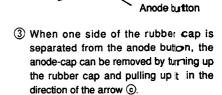


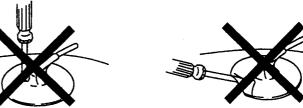
firmly in the direction indicated by the arrow (b).

### - HOW TO HANDLE AN ANODE-CAP

- 1 Don't hurt the surface of anode-caps with sharp shaped material!
- 2 Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.







# SECTION 3 SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

 These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control	normal
BRIGHTNESS control	normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

### Preparations

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

# 3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

Contrast Brightness

normal

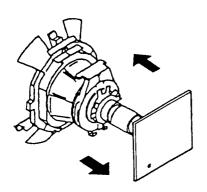
- 2. Set the pattern generator raster signal to green.
- Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 4. Move the deflection yoke forward and adjust so that entire screen is green. (See Figure 3-1.)
- 5. Switch the raster signal to blue, then to red and verify the condition.
- 6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.

If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 3-4.)



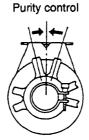


Fig. 3-2

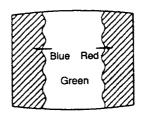


Fig. 3-3

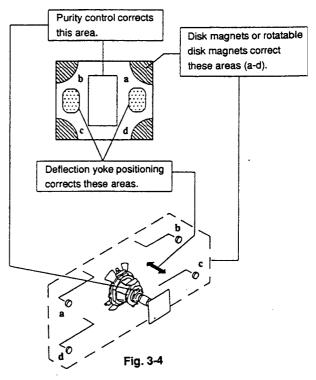


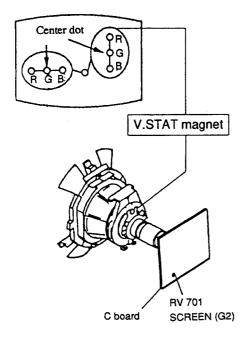
Fig. 3-1

# 3-2. CONVERGENCE

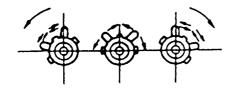
# Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

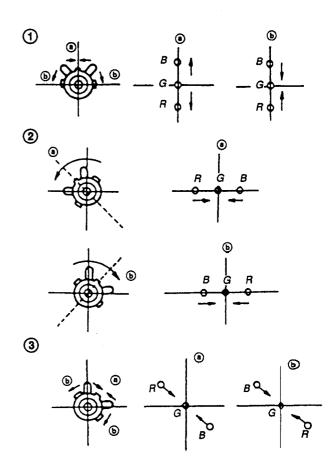
# (1) Horizontal and Vertical Static Convergence



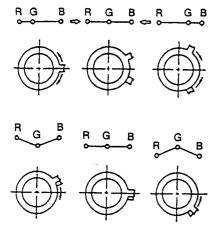
- 1. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen
- (Moving horizontally), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



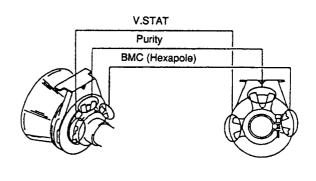
If the V.STAT magnet is moved in the direction of the (a) and
 (b) arrows, the red, green, and blue points move as shown below.



# Operation of BMC (Hexapole) Magnet.



The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking. Use the V.STAT magnet to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

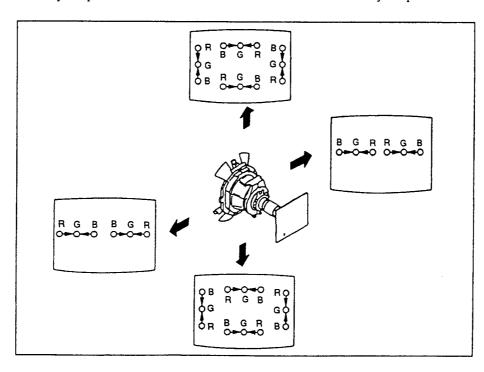


# (2) Dynamic Convergence Adjustment

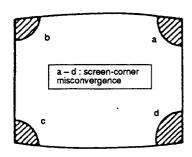
# Preparations:

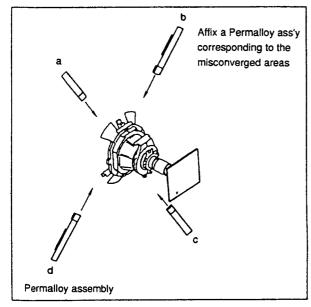
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.



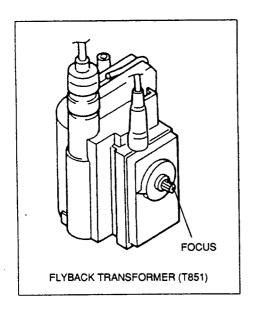
### (3) Screen-corner Convergence





# 3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.



# a. AN ITEM OF ADJUSTMENT

item number	Adjustment item	Initial DATA	Note				
09	RDR	25	WHITE POINT R				
0A	GDR	20	WHITE POINT G				
0B	BDR	20	WHITE POINT B				

### b. METHOD OF CANCELLATION FROM SERVICE MODE

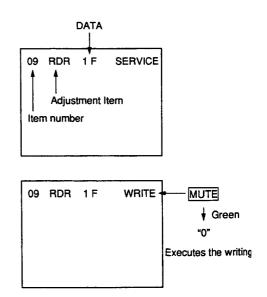
Set the standby condition (Press POWER button on the commander) in the next place, press POWER button again, hereupon it becomes TV mode.

# c. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustments.
- 3) Press MUTE button indicate WRITE (Green) on screen.
- 4) Press 0 button to write into memory.

# d. MEMORY WRITE CONFIRMATION METHOD

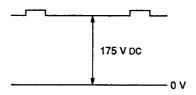
- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.



# -4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

# 1. G2 (SCREEN) ADJUSTMENT (RV701)

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G, and B of the C board cathode to the oscilloscope.
- 4) Adjust G2 (RV701) volume to the value below.



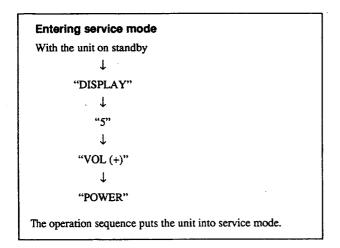
# 2. WHITE BALANCE ADJUSTMENTS

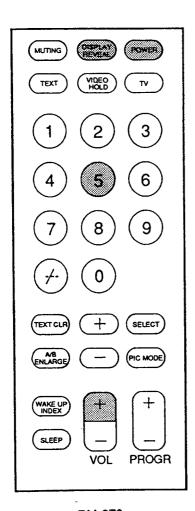
- 1) Set the Service Mode.
- 2) Input an entire white signal.
- 3) Set the PICTURE to maximum.
- 4) Select RDR(09) with 1 and 4, and then set the level to 25 with 3 and 6.
- Select GDR(0A) and BDR(0B) with 1 and 4 and adjust the level with 3 and 6 for the best white balance.
- 6) Write into the memory by pressing  $\boxed{\text{MUTE}} \rightarrow \text{then } \boxed{0}$ .

# SECTION 4 CIRCUIT ADJUSTMENTS

# 4-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-870 that comes with this unit.



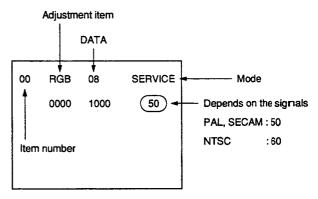


RM-870

"1", "4"	Raise/lower the service item number
"3", "6"	Raise/lower the data
"MUTING"	Writes
"0"	Executes the writing

"7", "0"	The data all becomes the values in memory
"8", "0"	User control all goes to the standard state
"5", "0"	Service data initialization (Besure not to use
	usually.)
"2", "0"	Write 50Hz adjustment data to 60Hz, or
	viceversa.

The screen display is:



"1", "4"	Select the adjustment item.
"3", "6"	Raise/lower the data.
"MUTING"	Writes
↓ "0"	Executes the writing.

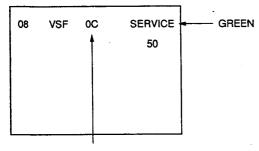
# 4-2. ADJUSTMENT METHOD

### Item Number 08

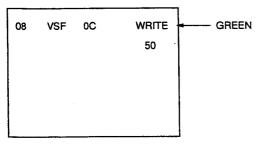
This explanation uses V-SHIFT as an example.

- 1. Select 08 V-SHIFT with the "1" and "4" buttons.
- 2. Raise/lower the data with the "3" and "6" buttons.
- 3. Select the optimum state. (The standard is for OF PAL reception.)
- 4. Write with the MUTE button.
- 5. Execute the writing with the "0" button. (The WRITE display.)

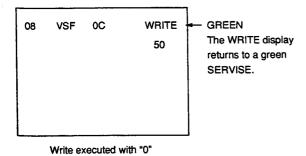
Use the same method for Items Number 00-40. Use "1" and "4" to select the adjustment item, use "3" and "6" to adjust, write with "MUTE", then execute the write with "0".



Adjusted with "3" and "6" buttons



Written with "MUTE"



**-19** -

# Adjustment Item Table

HSF HSZ PAP CNP TLT VSL	Z 00~3F	24				1										
VAP	P 00~3F 00~3F L 00~3F P 00~3F	23 21 29 20 20 1D	50: 21 50: 27 50: 25 50: 2D 50: 24 50: 21 50: 3E	60: 26 60: 28 60: 25 60: 2F 60: 20 60: 21 60: 3F	H SHIFT H SIZE PIN AMPLITUDE CORNER PIN TILT V SLOPE V AMPLITUDE	(TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366)										
SCR VSF RDR GDR BDR	F 00~3F R 00~3F PR 00~3F R 00~3F	20 20 25 20 20	25 (Fix) 20		50: 39 60: 3A 25 (Fix) 20 20		50: 39 60: 3A 25 (Fix) 20 20		50: 39 60: 3A 25 (Fix) 20 20		50: 39 60: 3A 25 (Fix) 20 20		50: 39 60: 3A 25 (Fix) 20 20		S CORRECTION V SHIFT WHITE POINT R WHITE POINT G WHITE POINT B	(TDA8366) (TDA8366) (TDA8366) (TDA8366)
YDL FO AGC VSW	00~02 C 00~3F	00 00 06 01	TV: 00 TV: 06 TV: 00	00 VIDEO: 00 VIDEO: 06 VIDEO: 01	PHI-1TIME CONSTANT AGC TAKE OVER VIDEO MUTE	(TDA8366) (TDA8366) (TDA8366) (TDA8366)										
FOR DL POC	00~01	00 00 00		0 0 0	FORCED FIELD FREQ. INTERLACE SYNCHRONISATION	(TDA8366) (TDA8366) (TDA8366)										
NCI VID HCO EVG SBL PRD	00~01 CO 00~01 IG 00~01 BL 00~01	00 00 00 00 00	50: 00 50: 00 50: 00 50: 00 50: 00 50: 00	60: 00 60: 00 60: 00 60: 00 60: 00	V DIVIDER MODE VIDEO IDENT MODE EHT TRACKING MODE ENABLE V GUARD SERVICE BLANKING OVER-VOLTAGE INPUT	(TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366)										
EXP SFM PHL COR PMX SBR SHU	00~01 00~01 00~01 00~01 00~3F 00~7F	00 01 00 00 20 4B 07		00 01 00 00 20 53 07	V DEFLECTION MODE H FREQ. DURING SWON COLOR X-TAL PLL NOISE CORING PEAK PICTURE MAX DATA SUB-BRIGHTNESS SUB-HUE	(TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366) (TDA8366)										
SSH SCL		01 3F	TV: 01 50: 3F	VIDEO: 03 60: 3F	SUB-SHARPNESS SUB-COLOR	(TDA8366) (TDA8366)										
TXP MXP		09 0B		09 0B	Text Picture cont. Text Mix mode Pic.	(SAA5281) (SAA5281)										
ODL OFR OFM OSH MUT ABL	FR 00~0F FM 00~0F SH 00~3F UT 00~01 BL 00~01	10 00 00 0A 01 01 40		10 00 00 06 00 01 2B	Power ON Delay Remo. con. RGB OUT Main power RGB OUT OSD Position H No Sync. Mute Bright ABL Option 0	(CXP85200) (CXP85200) (CXP85200) (CXP85200) (CXP85200) (CXP85200) (CXP85200) (CXP85200)										
		DDL 00~FF DFR 00~0F DFM 00~0F DSH 00~3F MUT 00~01 ABL 00~01	DDL 00~FF 10 DFR 00~0F 00 DFM 00~0F 00 DSH 00~3F 0A MUT 00~01 01 ABL 00~01 01 DPO 00~FF 40	DDL 00~FF 10 DFR 00~0F 00 DFM 00~0F 00 DSH 00~3F 0A MUT 00~01 01 ABL 00~01 01 DPO 00~FF 40	DDL 00~FF 10 10 DFR 00~0F 00 00 DFM 00~0F 00 00 DSH 00~3F 0A 06 MUT 00~01 01 00 ABL 00~01 01 01 DPO 00~FF 40 2B	ODL         00~FF         10         10         Power ON Delay           DFR         00~0F         00         00         Remo. con. RGB OUT           DFM         00~0F         00         00         Main power RGB OUT           DSH         00~3F         0A         06         OSD Position H           MUT         00~01         01         00         No Sync. Mute           ABL         00~01         01         Bright ABL           DPO         00~FF         40         2B         Option 0										

# No 2A OPO \* Input data are different according to models.

_	AV Input		_	-	_		Saudi
0	0	1	0	0	0	0	0

# No 2B OP1

_	_	_	TV Sy	ystem	NTSC	SECAM	Chin
0	0	0	0	0	1	1	1

 <sup>50 ··· 50</sup>Hz data 60 ··· 60Hz data
 Standard data listed on the Adjustment Item Table are reference values, therefore differ per model.

# 4-3. A BOARD, ADJUSTMENT AFTER 1C003 (MEMORY) REPLACEMENT

- 1. Enter to Service Mode.
- 2. Press commander buttons "5" and "0" (Data Initialize), and "2" and "0" (Data Copy) to initialize the data.
- 3. Call each item number, and check if the respective screen shows the normal picture.

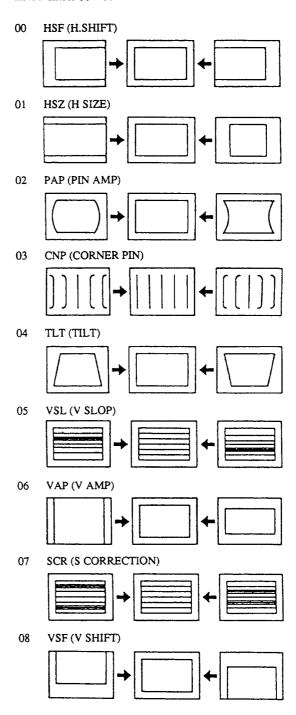
In case some items are not well-adjusted, give them fine adjustment.

Write the data per each item number (MUTE + 0).

- 4. Select item numbers "2A" (OP0) and "2B" (OP1) for mono, and 3F (OP0) and "40" (OP1) for STEREO, and respectively set the bit per model with command buttons "3" and "6".
- 5. Press commander buttons "8" and "0" (Test Normal) to return to the data that was set on the shipment from the factory.(= Cancel Service Mode.)

# 4-4. PICTURE DISTORTION ADJUSTMENT

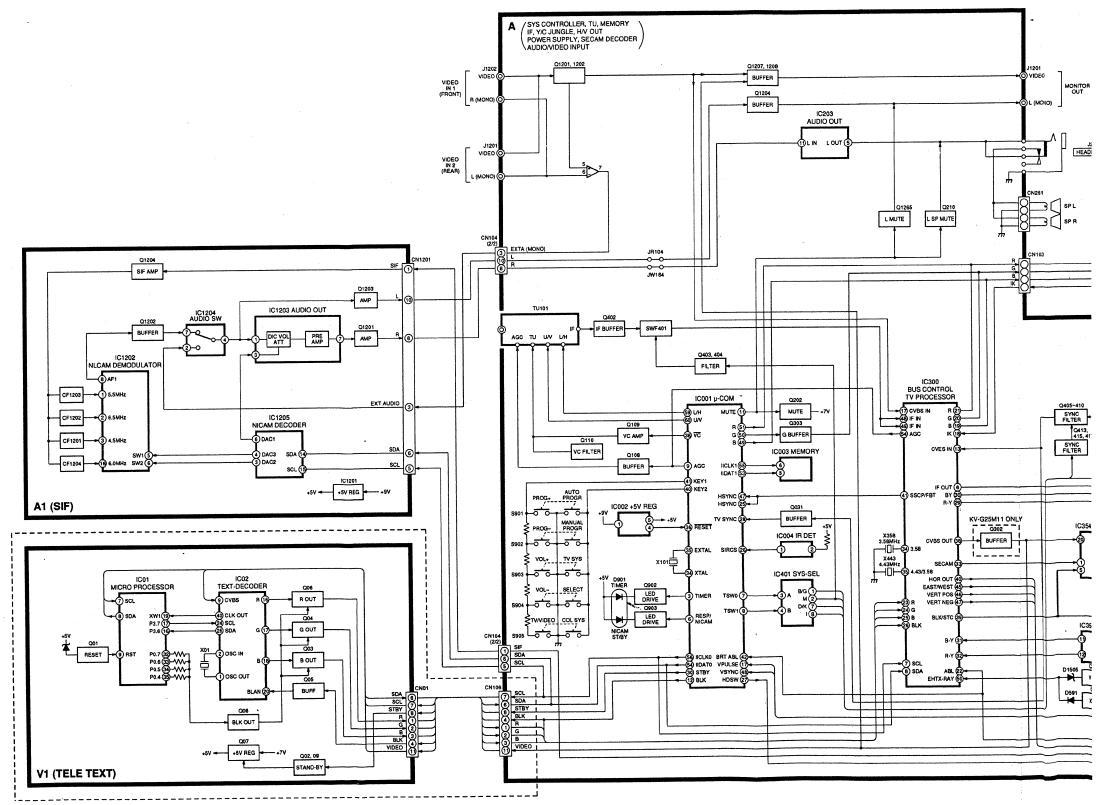
Item Number 00 - 08

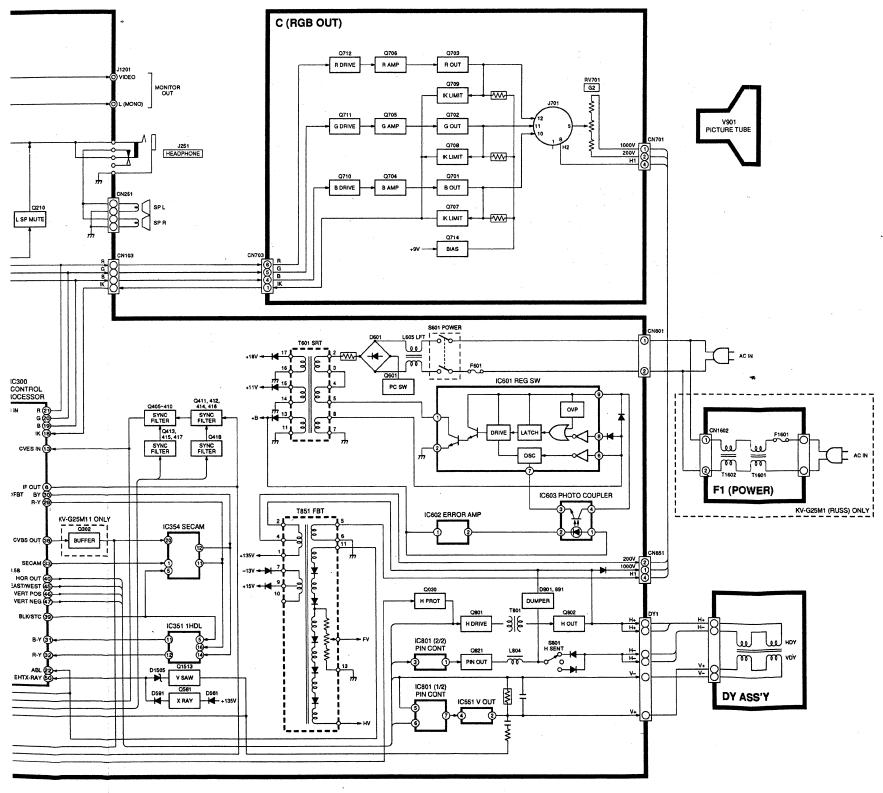


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# SECTION 5 DIAGRAMS

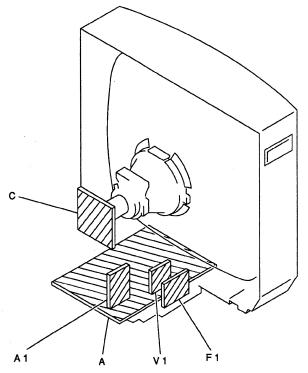
# 5-1. BLOCK DIAGRAMS





MC-Service

### 5-2. CIRCUIT BOARDS LOCATION



# 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

### Note:

- not indicated except for electrolytic and tantalums.
- All resistors are in ohms.

 $k\Omega = 100\Omega$ ,  $M\Omega = 1000k\Omega$ 

Indication of resistance, which does not have one for rating electrical power, is as follows.

Rating electrical power 1/4W (CHIP: 1/10W)

: nonflammable resistor.

△ : internal component.

- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.

no mark : PAL

( ): SECAM

- ): NTSC 4.43
- Readings are taken with a 10  $M\Omega$  digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- \* : Can not be measured.
- Circled numbers are waveform reference.
- : B + bus.
- : signal path.

# Reference Information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFRAMMAB

BLE CARBON NONFLAMMABLE FUSIBLE

NONFLAMMABLE METAL OXIDE

NONFLAMMABLE CEMENT : RB NONFLAMMABLE WIREWOUND : RW

ADJUSTMENT RESISTOR

MICRO INDUCTOR : LF-8L CAPACITOR : TA TANTALUM

: PS STYROL

POLYPROPYLENE MYLAR :PT

METALIZED POLYESTER : MPS

METALIZED POLYPROPYLENE : ALB **BIPOLAR** 

: ALT HIGH TEMPERATURE HIGH RIPPLE : ALR

Note: The component identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

# **PRINTED WIRING BOARD**

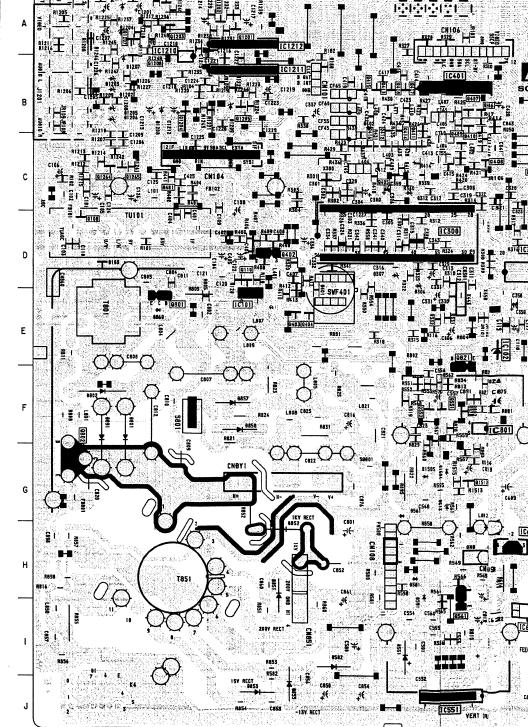


[SYS CONTROLLER, TU, MEMORY, IF, Y/C JUNGLE H/V OUT, POWER SUPPLY, SECAM DECODER, AUDIO/VIDEO INPUT]

# - A Board -

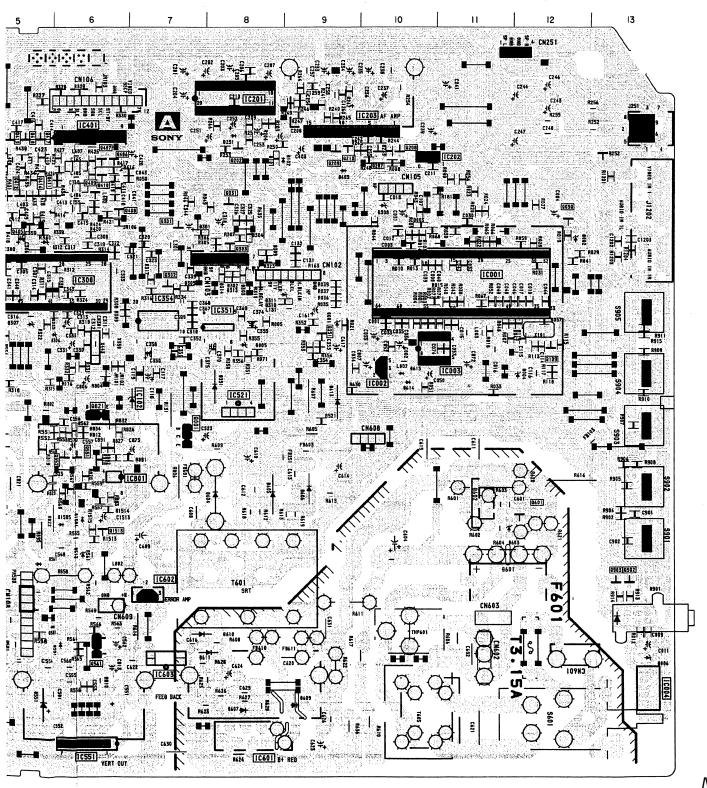
# A BOARD

IC	Q1208 Q1265 Q1513	B-2 C-2 G-6
IC001 D-11 IC002 E-10 IC003 E-11	DIO	DE
IC004   I-13   IC102   E-7   IC203   B-10   IC350   D-6   IC351   D-8   IC354   D-7   IC401   B-6   IC521   E-8   IC551   J-6   IC601   J-8   IC602   H-7   IC603   I-7   IC801   F-6   IC1210   A-2	D001 D002 D003 D004 D005 D101 D102 D103 D251 D252 D301 D302 D303 D304	D-9 C-12 C-10 E-12 E-8 B-8 B-9 D-1 B-8 B-13 C-8 D-8 C-8
TRANSISTOR	D305 D306 D307	D-7 D-6 D-5
Q030 C-12 Q031 C-8 Q108 D-1 Q109 E-12 Q110 D-3 Q202 B-8 Q207 B-10 Q208 B-10 Q210 B-9 Q301 C-7 Q302 D-7 Q303 C-8 Q402 D-4 Q403 E-4 Q404 E-4 Q405 C-5 Q406 B-6 Q407 B-6 Q407 B-6 Q401 B-6 Q410 B-6 Q411 C-5 Q413 B-5 Q414 C-5 Q413 B-5 Q414 C-5 Q415 B-5 Q416 B-6 Q417 B-6 Q411 C-5 Q413 B-5 Q414 C-5 Q413 B-5 Q416 B-6 Q411 C-5 Q413 B-5 Q416 B-6 Q411 C-5 Q411 B-6 Q411 C-5 Q413 B-5 Q416 C-6 Q411 C-5 Q411 B-6 Q411 C-5 Q413 B-5 Q416 C-6 Q411 C-5 Q411 B-6 Q411 C-5 Q413 B-5 Q414 C-5 Q413 B-5 Q414 C-5 Q415 B-5 Q416 C-6 Q417 B-6 Q411 B-6 Q411 B-6 Q411 B-6 Q411 B-6 Q411 B-6 Q411 B-7 Q418 B-7	D307 D308 D310 D311 D312 D313 D314 D351 D401 D402 D403 D551 D561 D561 D561 D606 D607 D609 D610 D601 D802 D603 D604 D605 D606 D607 D609 D610 D611 D801 D802 D853 D855 D857 D855 D857 D858 D856 D857 D858 D858 D850 D891 D901 D1202 D1207 D1208 D1504	\$ 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6



MC-Service

)EO INPUT



# A BOARD WAVEFORMS

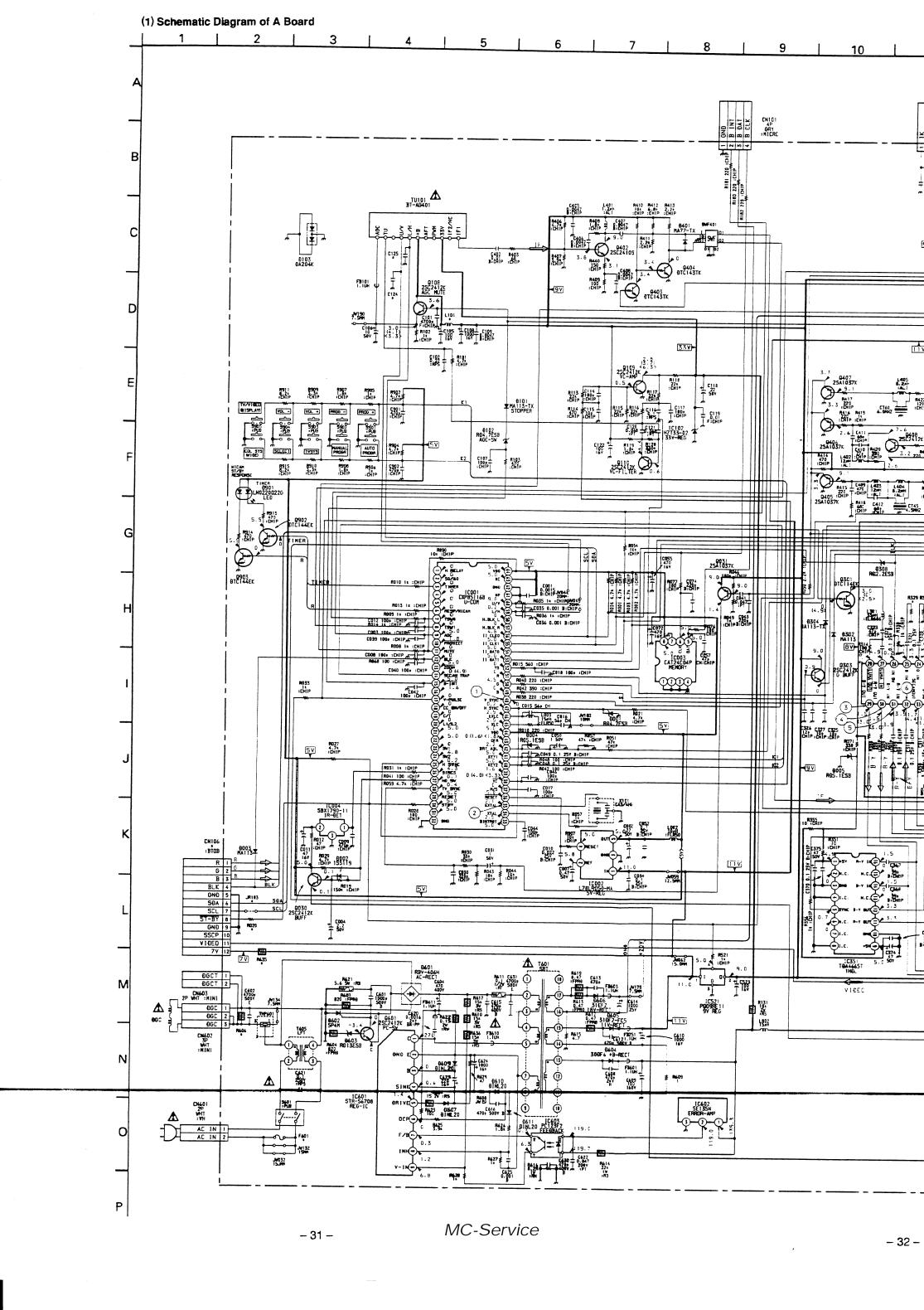
$\overline{}$		T-3
①	(2)	③ PAL
	$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	
5.0Vp-p (H)	4.0Vp-p	0.7Vp-p (H)
③ NTSC	③ SECAM	4 PAL
$\sqrt{M}\sqrt{M}$		
0.6Vp-p (H)	1.6Vp-p (H)	0.6Vp-p (H)
4 NTSC	4 SECAM	5 PAL/SECAM
1 AAAAA	-4/2-4/2-	
0.4Vp-p (H)	1.2Vp-p (H)	PAL: 1.3Vp-p (H) SECAM: 1.5Vp-p (H)
(5) NTSC	6 PAL/SECAM	⑥ NTSC
$\sqrt{M^{1}}$	~\[\^\[\	
		l LI LI I
0.8Vp-p (H)	PAL: 1.0Vp-p (H) SECAM: 1.2Vp-p (H)	0.6Vp-p (H)
0.8Vp-p (H)		0.6Vp-p (H)  8 PAL/SECAM
	SECAM: 1.2Vp-p (H)	
② PAL/SECAM  THE HEAD STATE OF THE SECOND STAT	SECAM: 1.2Vp-p (H)  This continues the continues of the c	® PAL/SECAM
⑦ PAUSECAM	SECAM: 1.2Vp-p (H)  This continues the second secon	® PAUSECAM
7 PAL/SECAM	SECAM: 1.2Vp-p (H)  This continues the continues of the c	® PAL/SECAM

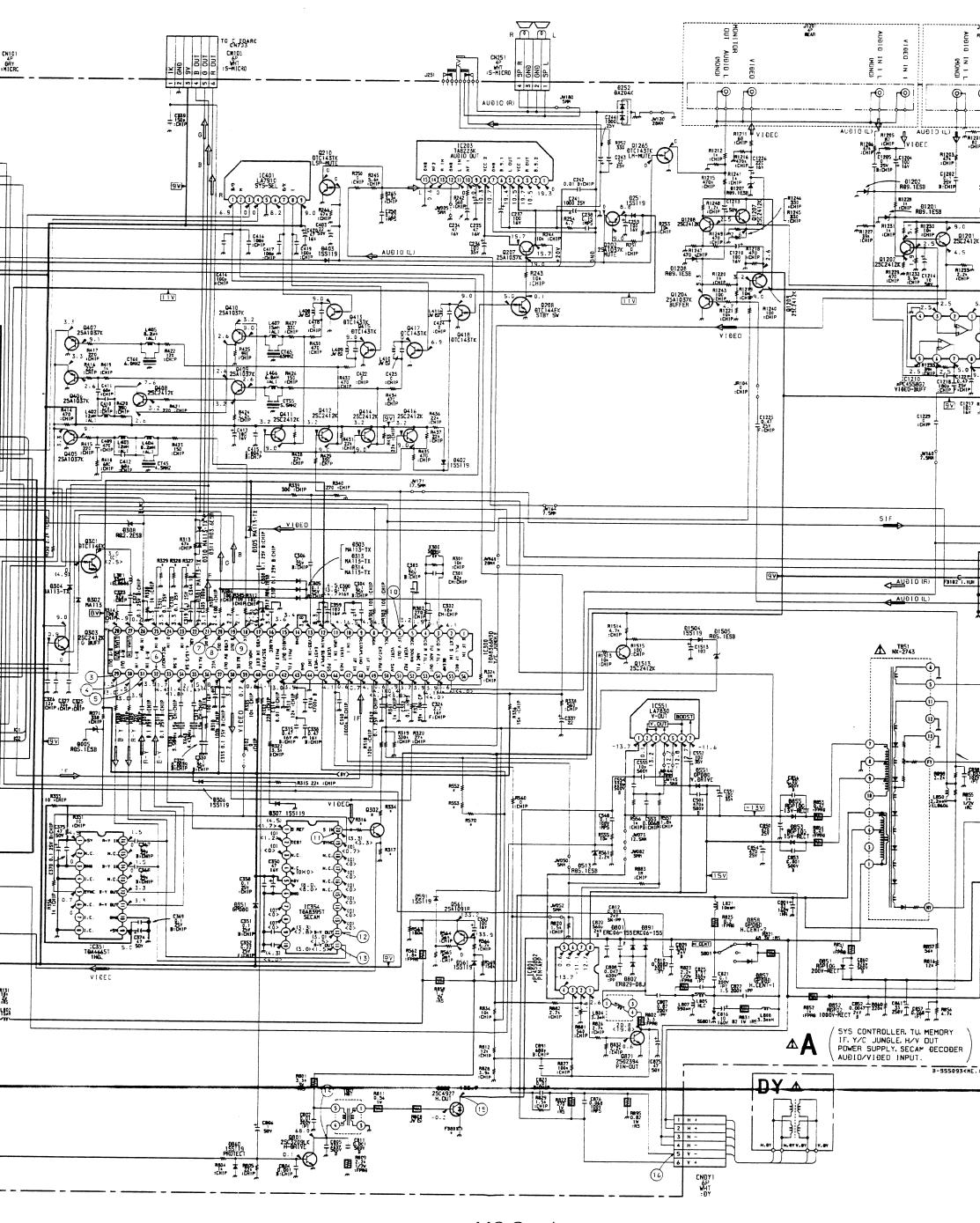
10 PAL	10 NTSC	10 SECAM
y Tang tang		1
2.2Vp-p (H)	3.0Vp-p (H)	2.2Vp-p (H)
11 PAL	11) NTSC	11 SECAM
of the property of the propert		, Manager Mana
1.0Vp-p (H)	1.3Vp-p (H)	1.0Vp-p (H)
12 PAL	12 NTSC	12 SECAM
	Vint Vint	
0.7Vp-p (H)	0.6Vp-p (H)	1.5Vp-p (H)
13 PAL	(3) NTSC .	13 SECAM
\ <del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	
0.6Vp-p (H)	0.5Vp-p (H)	1.2Vp-p (H)
14	15	16
		77
150Vp-p (H)	800Vp-p (H)	2Vp-p (V)

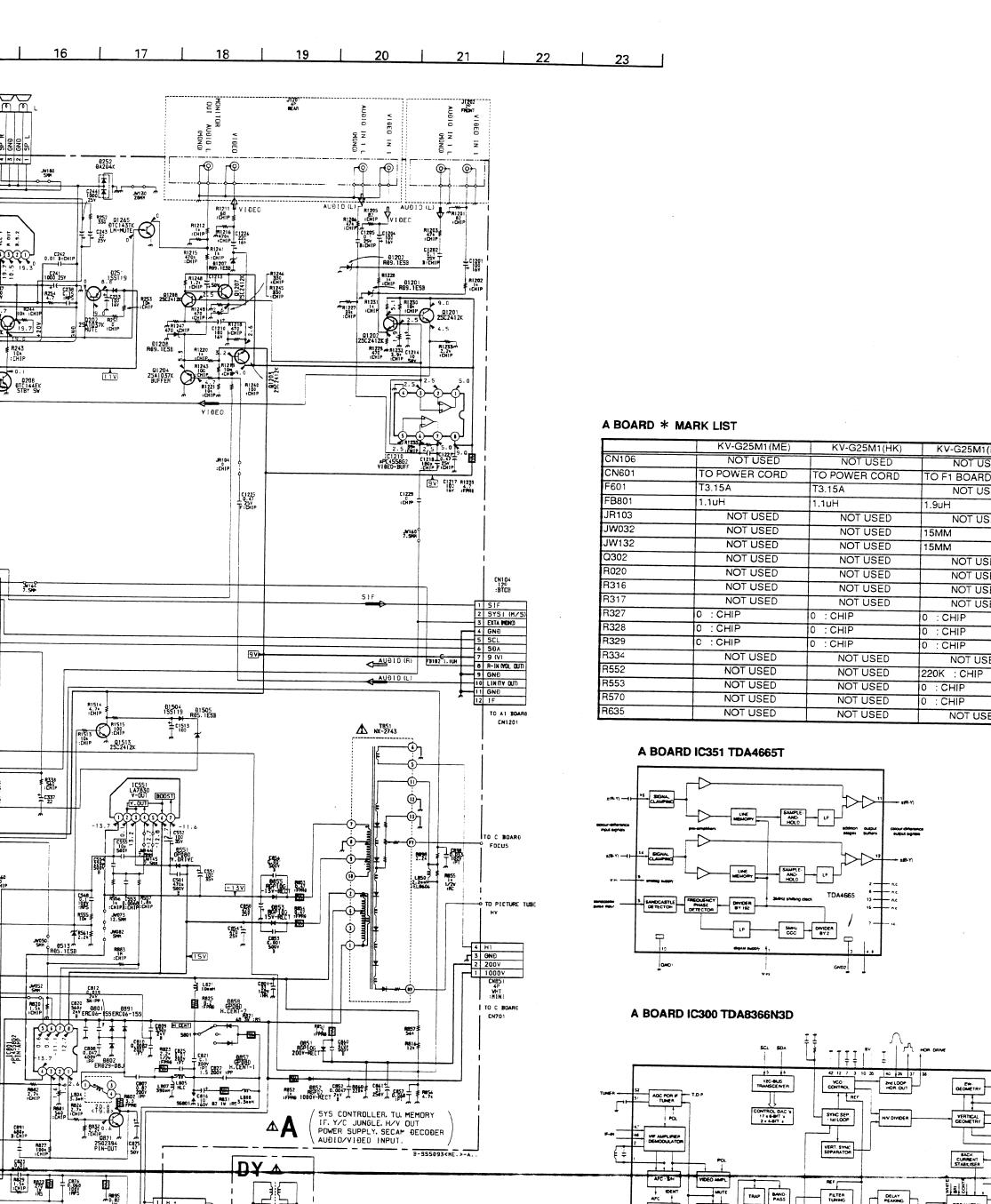


# NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.







R895 70.82 1V :RS

(U

CNDYI 6P WHT : DY

G.Y MATRIX SAT CONTRO

PGB-MATRIX OUTPUT

RGB-MPUT SWITCH

TRAP BAND-

CVBS OUT (P.P.)

VIDEO IDENT

MC-Service

VIDEO MUTE

FILTER TUNING

1 S1F
2 SYS1 (M/S)
3 EXTA MOND
4 GNO
5 SCL
6 SOA
7 9 (V)
9 GNO
10 LIH (TY OUT)
11 GNO

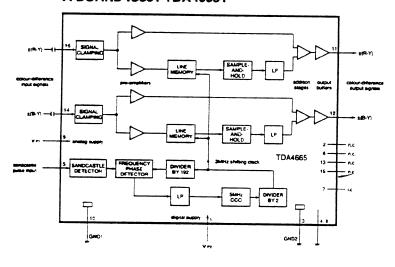
3 GND 2 200V 1000V CNB51 4P WHT :HINI

CN701

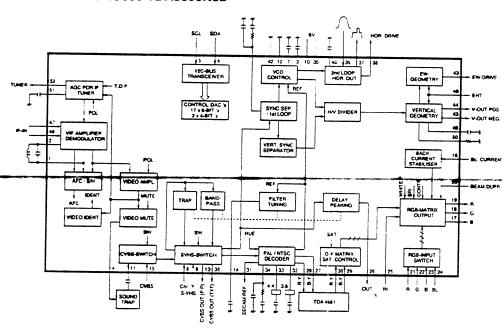
# A BOARD \* MARK LIST

	KV-G25M1 (ME)	KV-G25M1(HK)	KV-G25M1(RUSS)	KV-G25M11
CN106	NOT USED	NOT USED	NOT USED	12P : BTOB
CN601	TO POWER CORD	TO POWER CORD	TO F1 BOARD CN1602	TO POWER CORD
F601	T3.15A	T3.15A	NOT USED	T3.15A
FB801	1.1uH	1.1uH	1.9uH	1.1uH
JR103	NOT USED	NOT USED	NOT USED	0 : CHIP
JW032	NOT USED	NOT USED	15MM	NOT USED
JW132	NOT USED	NOT USED	15MM	NOT USED
Q302	NOT USED	NOT USED	NOT USED	2SC2412K
R020	NOT USED	NOT USED	NOT USED	100 : CHIP
R316	NOT USED	NOT USED	NOT USED	4.7K : CHIP
R317	NOT USED	NOT USED	NOT USED	1K : CHIP
R <b>32</b> 7	0 : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R328	0 : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R <b>32</b> 9	C : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R334	NOT USED	NOT USED	NOT USED	470 : CHIP
R552	NOT USED	NOT USED		220K : CHIP
R <b>55</b> 3	NOT USED	NOT USED	+ <u></u>	0 : CHIP
R570	NOT USED	NOT USED		0 : CHIP
R635	NOT USED	NOT USED	NOT USED	22 2W :RS

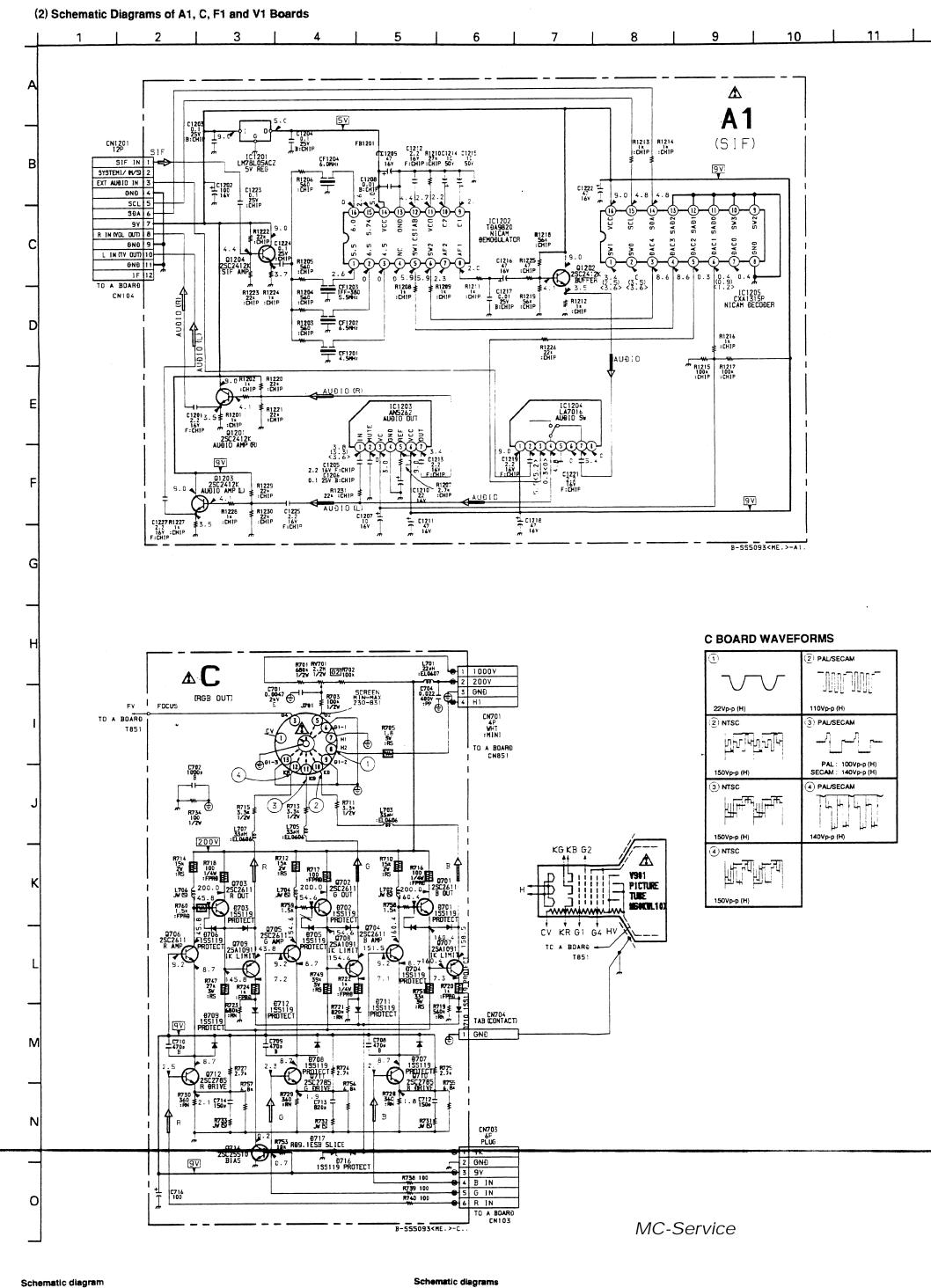
# A BOARD IC351 TDA4665T



# A BOARD IC300 TDA8366N3D



MC-Service



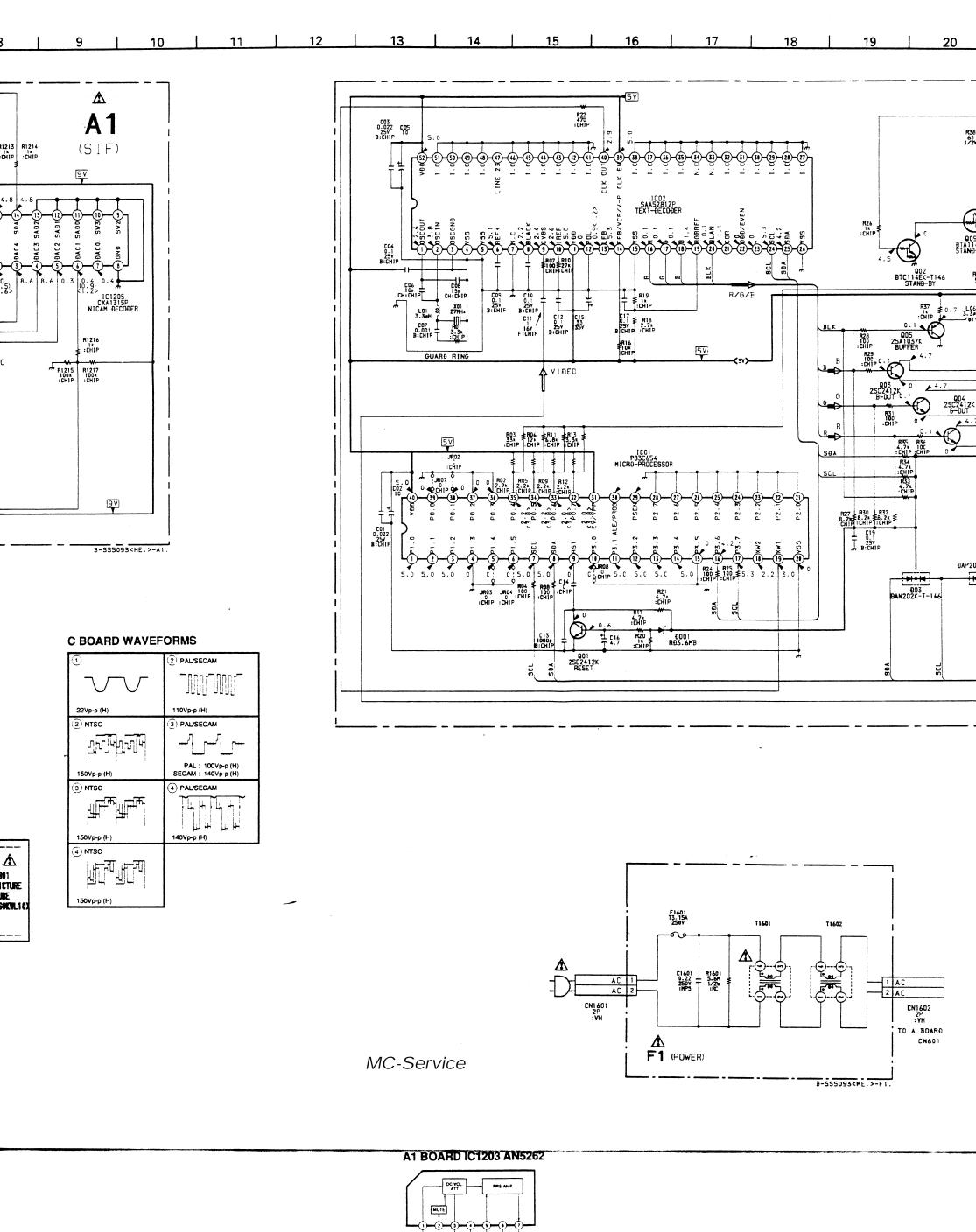
Schematic diagra

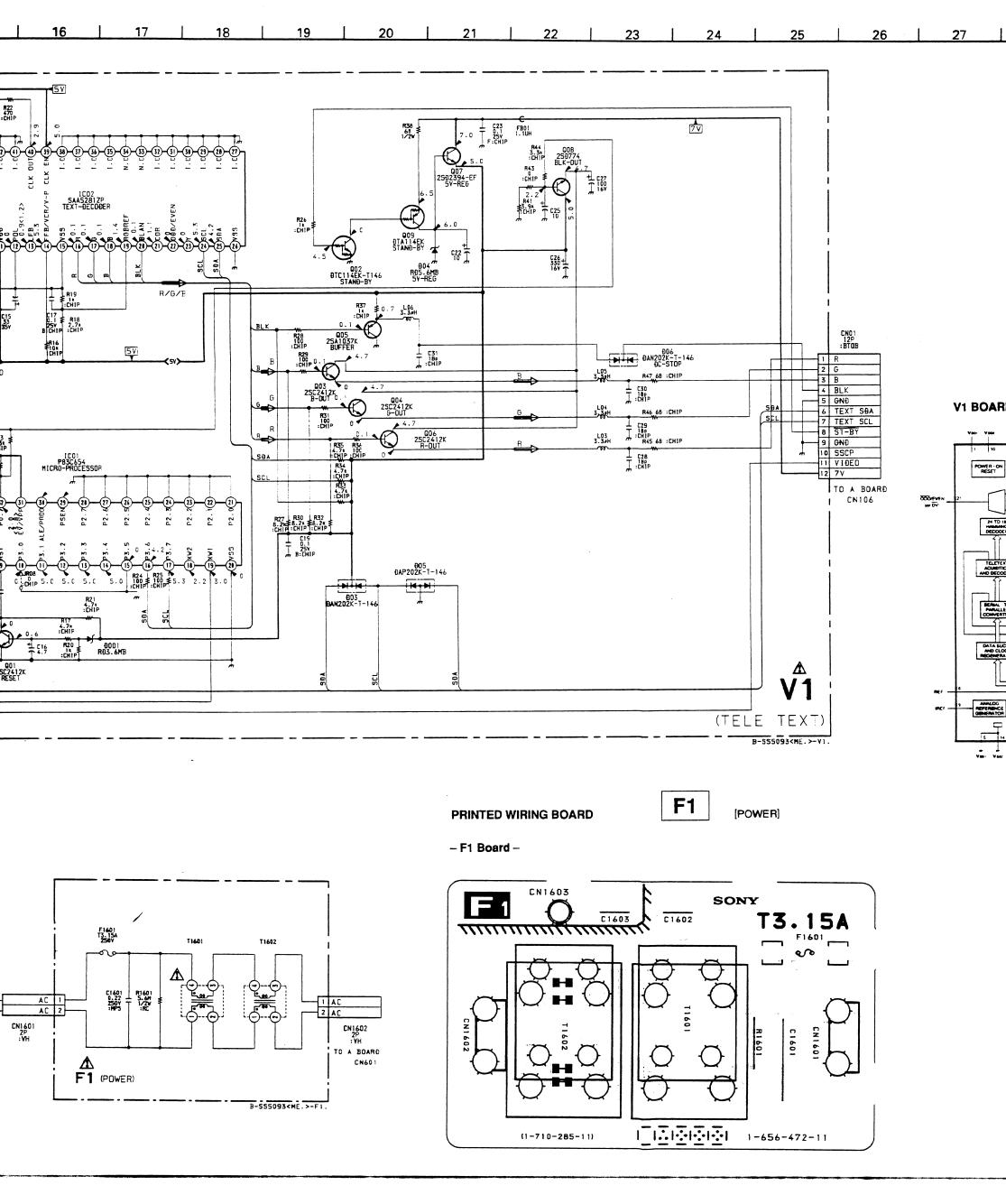
A board

Schematic diagrams

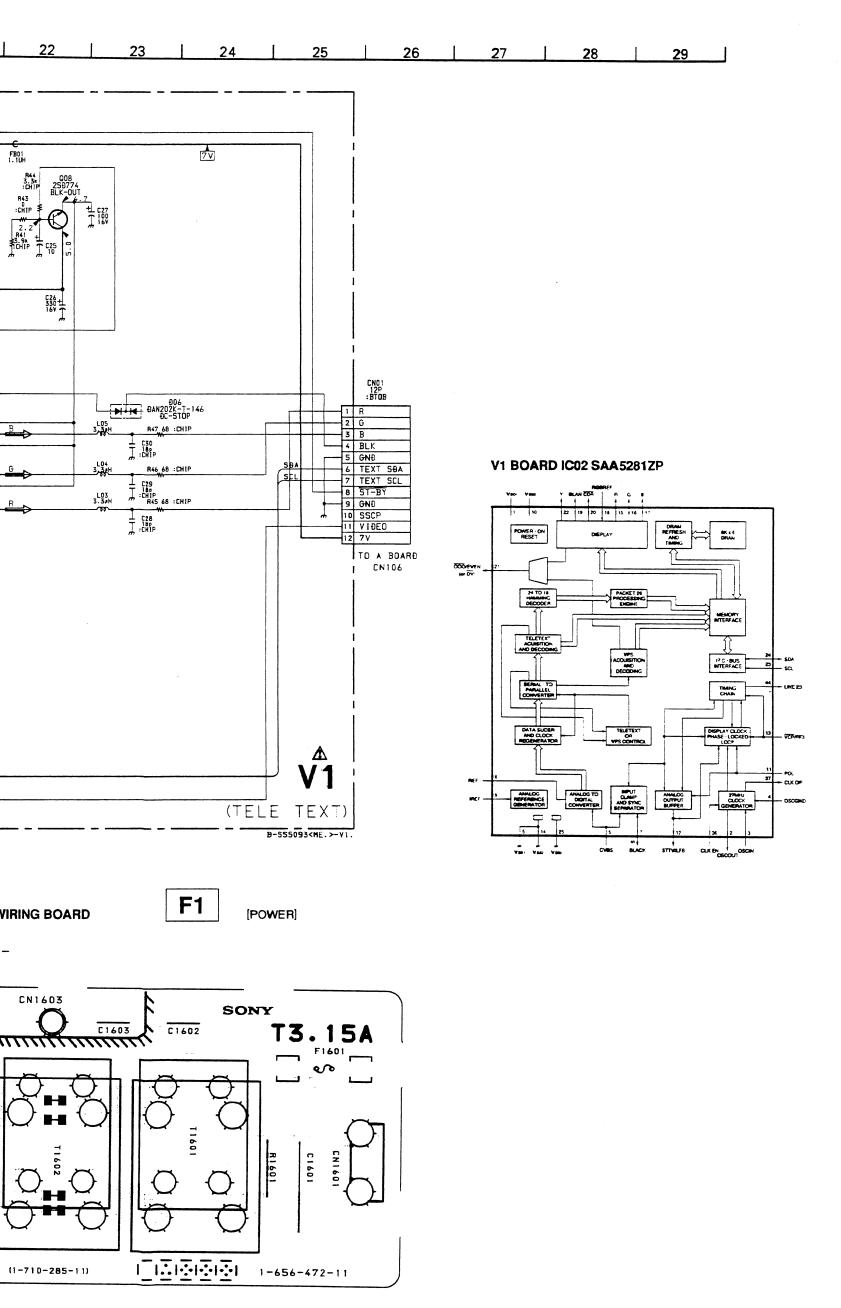
A1, C, F1, V1 boards →

**–** 36 **–** 





MC-Service



MC-Service





[SIF]

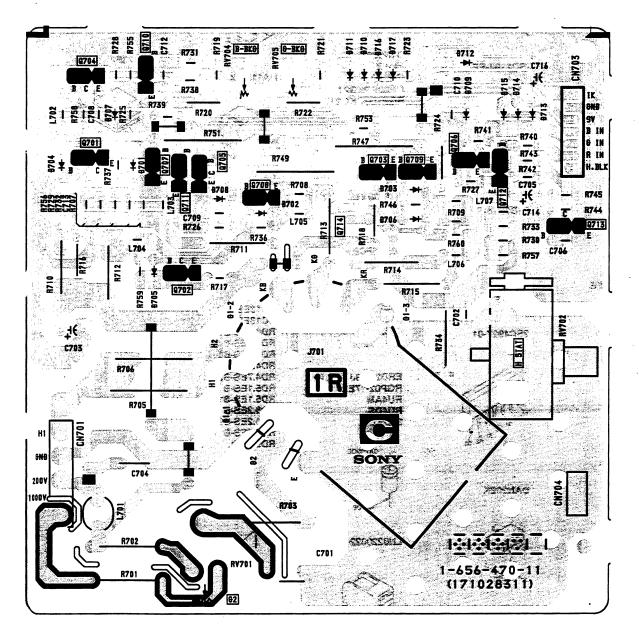




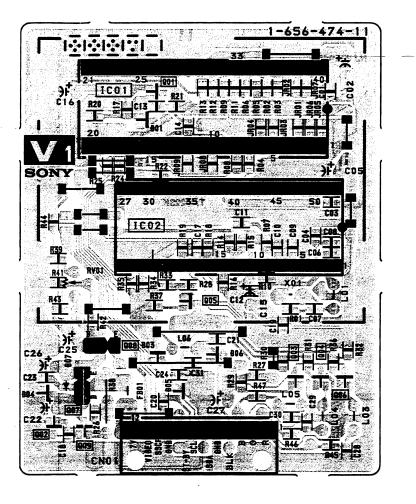
**V1** 

[TELE TEXT]

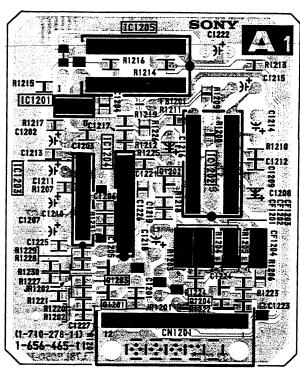




- V1 Board -

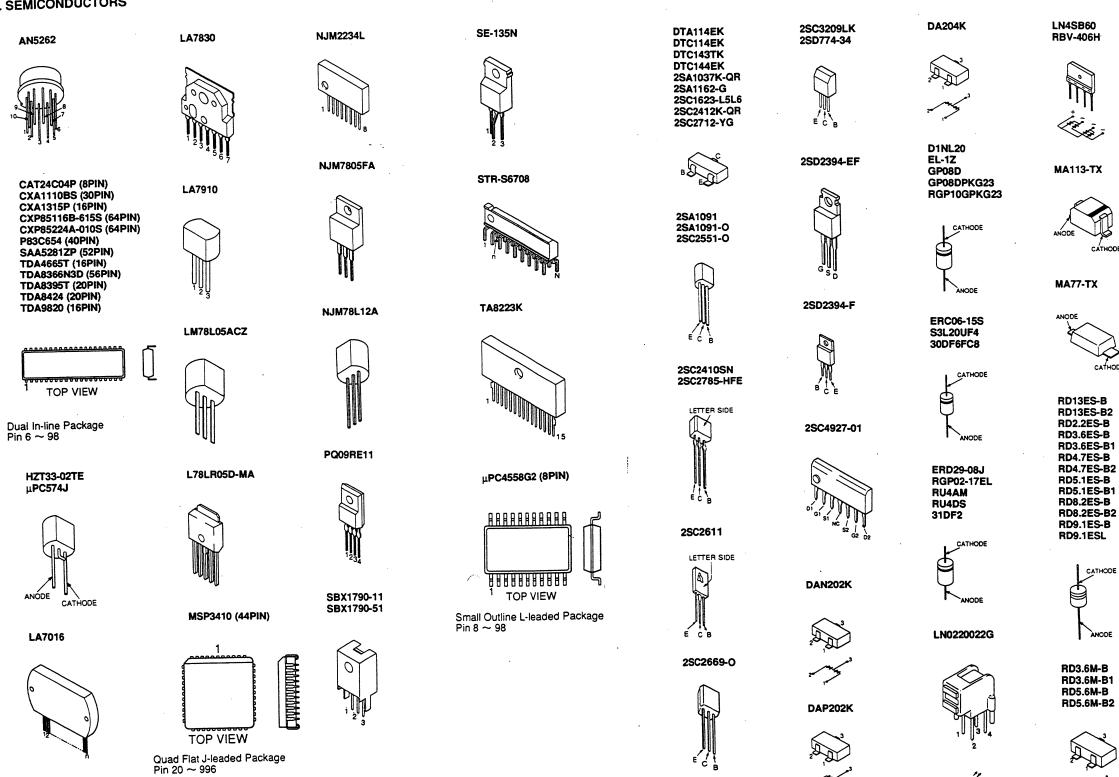


- A1 Board -



MC-Service

# 5-4. SEMICONDUCTORS



MC-Service

5P4M

PC123F2

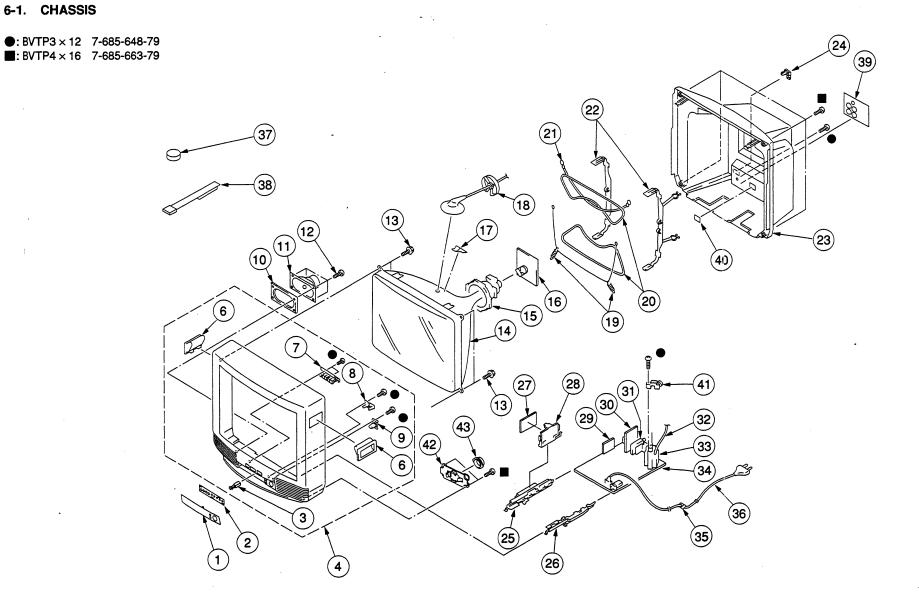
## **SECTION 6 EXPLODED VIEWS**

#### TE:

- · Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

### 6-1. CHASSIS



MC-Service

REF. NO.	PART NO.	DESCRIPTION . REMARK
1	4-048-702-11	DOOR, CONTROL
2		LABEL, CONTROL
3		LOCK, MINIATURE SIDE
4	X-4032-787-1	
. 6	4-048-691-01	
0	4-046-051-01	HANDLE
7		BUTTON, MULTI
8		GUIDE, LIGHT
9	4-048-688-01	BUTTON, POWER
10	4-037-613-01	CUSHION, SP
11	1-504-305-11	SPEAKER (5X12CM)
12	4-043-388-01	SCREW, STEP TAPPING
13	4-390-505-01	SCREW (7), TAPPING
14	Δ.8-733-242-65	PICTURE TURE (MOCKYLLOX)
		DEELECTION YORK (Y25CIAS)
16	······	C BOARD, COMPLETE
17	3-704-495-01	SPACER. DY
18		
19	4-369-318-61	HOLDER, HV CABLE SPRING, TENSION
		COIL DEMACRETIZATION
21		BAND, DEGAUSSING COIL
22	*4-042-988-01	HOLDER, DGC
23	4-048-703-01	COVER. REAR
24	4-049-130-01	
25		RAIL (L), GUIDE
26		RAIL (R), GUIDE
27	* A-1241-190-A	F1 BOARD, COMPLETE (KV-G25M1(RUSS))
28		BRACKET, F1 PC BOARD (KV-G25M1(RUSS))
29		V1 BOARD, COMPLETE (KV-G25M11)
30		A1 BOARD, COMPLETE
		TIMER RI-AGIOT
32	1-900-212-02	LEAD ASSY, FOCUS
		TRANSFORMER, FEYBACK OUT-2743 / MGB
34		A BOARD, COMPLETE (KV-G25M1(ME))
01		A BOARD, COMPLETE (KV-G25M1 (HK))
		A BOARD, COMPLETE (KV-G25M1 (RUSS))
	N-1231-334-N	A BOARD, COMPLETE (NV-020M1 (NOSS))
95	***************************************	A BOARD, COMPLETE (KV-G25M11)
36	A1-574-06-22 63-1-0	DIGG PARK WITH CONNECTED  BEACON WEST SHIP CONNECTED  GISSA AND  HROWARK SILDS CARESTED  (W-5-201810)
37	1-452-032-00	MAGNET, DISC
38 39 40 41	4-049-121-01 4-049-416-01	PERMALOY ASSY, CORRECTION LABEL, TERMINAL SHEET, BLIND HOLDER, FBT

1-544-453-21 SPEAKER (2CM)

## SECTION 7 **ELECTRICAL PARTS LIST**



REF. NO. PART NO.

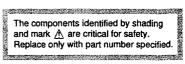
DESCRIPTION

NOTE:	<ul> <li>Items marked " * '</li> </ul>	are not stocked since	RESISTORS				70/ 1/10/	6101	1 100 000 11 CEDANTO CU	TD 0 0047ME	50V
	service. Some	delay should be	<ul> <li>All resistors are in ohm</li> </ul>	าร	R1224 R1225		5% 1/10W 5% 1/10W	C101	1-163-029-11 CERAMIC CH	IP 0.0047MF	507
The components identified by shading and mark $ ext{$\triangle$}$ are critical for safety.	anticipated when o	ordering these items.	<ul> <li>F : nonflammable</li> </ul>		K122J	1-210-017-00 METRE GENEE 47	0W 1/10W	C102	1-136-169-00 FILM	0.22MF 5%	
Replace only with part number specified.			CAPACITORS		R1226		5% 1/10W	C105	1-104-665-11 ELECT	100MF 20%	
Tropiaso emy marparitation approximation and the second end of the	All variable and ac	ljustable resistors have	• MF : μF, PF : μμF		R1227	1-216-049-00 METAL GLAZE 1K	5% 1/10W	C106	1-124-907-11 ELECT 1-163-117-00 CERAMIC CH	10MF 20% IP 100PF 5%	
	characteristic cur	ve B, unless otherwise	• мг. µг, гг. µµг		R1228 R1229		5% 1/10W 5% 1/10W	C107 C108	1-103-117-00 CERAMIC CH 1-126-942-61 ELECT	1000MF 20%	
When indicating parts by reference number,	noted.		0011.0		R1229		5% 1/10W	0100	1 120 315 01 55501	1000	
please include the board name.			COILS		11200	1 210 001 00	, ·	C109	1-163-017-00 CERAMIC CH		
		÷ 4.	• MMH : μH, UH : μH		R1231	1-216-081-00 METAL GLAZE 22K	5% 1/10W	C114	1-163-117-00 CERAMIC CH		50V
		•			*****	********	*******	C115 C116	1-163-093-00 CERAMIC CH 1-136-165-00 FILM	IP 10PF 5% 0.1MF 5%	50V 50V
		•			*******			C117	1-163-117-00 CERAMIC CH		
						*A-1297-513-A A BOARD, COMPLETE	E (KV-G25M1 (ME))		1 100 11. 00 02.12		
		.•				*A-1297-552-A A BOARD, COMPLETE	E (KV-G25M1(HK))	C118	1-124-916-11 ELECT	22MF 209	
REF. NO. PART NO. DESCRIPTION	REMARK	REF. NO. PART NO.	DESCRIPTION	REMARK		*A-1297-554-A A BOARD, COMPLETE		C119	1-163-059-00 CERAMIC CH 1-130-493-00 MYLAR	0.068MF 5%	50V 50V
			PENDAME DEAD.			*A-1297-566-A A BOARD, COMPLETE		C120 C121	1-130-493-00 MYLAR	0.068MF 5%	
* A-1292-869-A A1 BOARD, COMPLET	E		<ferrite bead=""></ferrite>					C122	1-104-665-11 ELECT	100MF 209	
********	•	FB1201 1-412-911-	11 INDUCTOR, FERRITE BE	CAD		1-533-223-11 CLIP, FUSE					
						*1-580-798-11 CONNECTOR PIN (DY	7) 6P	C124	1-163-029-11 CERAMIC CH 1-163-029-11 CERAMIC CH		50V 50V
<capacitor></capacitor>			70			*4-049-131-01 CASE (A), SHIELD 4-382-854-11 SCREW (M3X10), P,	SW (+)	C125 C234	1-103-029-11 CERAMIC CH 1-104-664-11 ELECT	47MF 209	
			<ic></ic>			4-362-634-11 SCREW (MSK10), 1,	311 (T)	C235	1-104-664-11 ELECT	47MF 209	
C1201 1-164-505-11 CERAMIC CHIP 2.2M		IC1201 8-759-991-	41 IC LM78L05ACZ					C236	1-126-968-11 ELECT	100MF 209	35V
C1202 1-104-665-11 ELECT 100M C1203 1-164-004-11 CERAMIC CHIP 0.1M		IC1202 8-759-070-	71 IC TDA9820			<capacitor></capacitor>		0007	1 104 CCE 11 PIPCT	100MF 209	16V
C1203 1-164-004-11 CERAMIC CHIP 0.1M C1204 1-164-004-11 CERAMIC CHIP 0.1M	F 10% 25V	IC1203 8-759-248-	80 IC AN5262-(NT)		C001	1-163-011-11 CERAMIC CHIP 0.00	015MF 10% 50V	C237 C238	1-104-665-11 ELECT 1-136-167-00 FILM	0.15MF 5%	
C1205 1-164-505-11 CERAMIC CHIP 2.2M	F 16V	IC1204 8-759-800- IC1205 8-752-057-	81 IC LA7016		C001 C002	1-103-011-11 CERAMIC CHIF 0.00 1-124-916-11 ELECT 22MF		C241	1-124-557-11 ELECT	1000MF 209	
		101205 6-752-057-	-10 IC CAN13131		C003	1-163-117-00 CERAMIC CHIP 100F	PF 5% 50V	C242	1-164-232-11 CERAMIC CH		
C1206 1-164-004-11 CERAMIC CHIP 0.1M					C004	1-124-925-11 ELECT 2.2M		C243	1-126-233-11 ELECT	22MF 209	5 25V
C1207 1-126-157-11 ELECT 10MF C1208 1-164-232-11 CERAMIC CHIP 0.01			<transistor></transistor>		C007	1-124-902-00 ELECT 0.47	7MF 20% 50V	C244	1-124-557-11 ELECT	1000MF 209	5 25V
C1209 1-104-664-11 ELECT 47MF		01001 0 700 100	-28 TRANSISTOR 2SC1623-L	51.6	C008	1-163-117-00 CERAMIC CHIP 100H	PF 5% 50V	C253	1-104-665-11 ELECT	1000MF 209	
C1210 1-124-234-00 ELECT 22MF	20% 16V	Q1201 8-729-120- Q1202 8-729-120-	-28 TRANSISTOR 25C1623-I	5L6	C009	1-163-133-00 CERAMIC CHIP 470F	PF 5% 50V	C258	1-136-169-00 FILM	0.22MF 5%	
ATTER	0.00 1.07		-28 TRANSISTOR 2SC1623-L		C010	1-163-037-11 CERAMIC CHIP 0.02		C300	1-104-664-11 ELECT	47MF 209	
C1211 1-104-664-11 ELECT 47MF C1212 1-164-505-11 CERAMIC CHIP 2.2N			-28 TRANSISTOR 2SC1623-L	.5L6	C011	1-104-664-11 ELECT 47MI		C301	1-163-249-11 CERAMIC CH	IP 82PF 5%	50V
C1212 1-164-505-11 CERAMIC CHIP 2.2M	F 16V				C012	1-163-117-00 CERAMIC CHIP 100F	rr on ouv	C302	1-163-099-00 CERAMIC CH	IP 18PF 5%	50V
C1214 1-124-907-11 ELECT 10MF	20% 50V		<resistor></resistor>		C015	1-101-884-00 CERAMIC 56PI	F 5% 50V	C303	1-164-004-11 CERAMIC CH		
C1215 1-124-907-11 ELECT 10MF	20% 50V		(100101010		C016	1-101-884-00 CERAMIC 56PI		C304	1-164-004-11 CERAMIC CH		
C1216 1-104-664-11 ELECT 47MF	` 20% 16V		-00 METAL GLAZE 1K	5% 1/10W	C017	1-163-117-00 CERAMIC CHIP 1001		C305 C306	1-164-004-11 CERAMIC CH 1-164-004-11 CERAMIC CH	IP 0.1MF 109	5 25V 5 25V
C1216 1-104-664-11 ELECT 47MF C1217 1-164-232-11 CERAMIC CHIP 0.01			-00 METAL GLAZE 1K	5% 1/10W 5% 1/10W	C018 C030	1-163-117-00 CERAMIC CHIP 1001 1-163-125-00 CERAMIC CHIP 2201		0300	1-104-004-11 CERTAIN CO.	11 0.184 107	201
C1218 1-104-664-11 ELECT 47MF	20% 16V		-91 METAL GLAZE 560 -91 METAL GLAZE 560	5% 1/10W	0030	1 100 120 00 CMamile Cili 220.		C307	1-164-004-11 CERAMIC CH	IP 0.1MF 109	6 25V
C1219 1-164-505-11 CERAMIC CHIP 2.2M			-91 METAL GLAZE 560	5% 1/10W	C031	1-124-903-11 ELECT 1MF		C308	1-164-004-11 CERAMIC CH		4 25V
C1221 1-164-505-11 CERAMIC CHIP 2.2M	IF 16V			(# OFF	C034	1-164-004-11 CERAMIC CHIP 0. 1		C309 C310	1-164-004-11 CERAMIC CH 1-164-004-11 CERAMIC CH		
C1222 1-104-664-11 ELECT 47MI	20% 16V		-91 METAL GLAZE 560	5% 1/10W 5% 1/10W	C035 C036	1-163-009-11 CERAMIC CHIP 0.00 1-163-009-11 CERAMIC CHIP 0.00		C310	1-163-097-00 CERAMIC CH		
C1223 1-164-004-11 CERAMIC CHIP 0.1	F 10% 25V		-00 METAL GLAZE 2.7K -00 METAL GLAZE 1K	5% 1/10W	C039	1-163-117-00 CERAMIC CHIP 100					
C1224 1-164-004-11 CERAMIC CHIP 0. 1	0F 10% 25V	R1209 1-216-049	-00 METAL GLAZE 1K	5% 1/10W				C312	1-163-097-00 CERAMIC CH		
C1225 1-164-505-11 CERAMIC CHIP 2.28 C1227 1-164-505-11 CERAMIC CHIP 2.28		R1210 1-216-083	-00 METAL GLAZE 27K	5% 1/10W	C040			C313 C314	1-104-665-11 ELECT 1-164-232-11 CERAMIC CF	100MF 209	6 16V 6 50V
C1227 1-104-300-11 CERMATO OHII 2.26	101	D1011 1 016 06E	OO METAL CLATE 4 7V	5% 1/10W	C041 C042		47MF 5 50V PF 5% 50V	C314	1-165-320-11 CERAMIC CH		6 16V
			-00 METAL GLAZE 4.7K -00 METAL GLAZE 1K	5% 1/10W	C043			C316	1-102-125-00 CERAMIC	0.0047MF 109	6 50V
<filter></filter>			-00 METAL GLAZE 1K	5% 1/10W	€044	1-163-117-00 CERAMIC CHIP 100	PF 5% 50V		OTDUITO O	TTD 0 1100 10	, 0517
CF1201 1-527-943-00 FILTER, CERAMIC		R1214 1-216-049	-00 METAL GLAZE 1K	5% 1/10W	00.16	1 162 117 00 OPPLYTO CUTP 100	DE EN EON	C319	1-164-004-11 CERAMIC CF 1-164-004-11 CERAMIC CF	IP 0.1MF 10	6 25V 6 25V
CF1201 1-527-943-00 FILTER, CERAMIC CF1202 1-567-101-11 FILTER, CERAMIC		R1215 1-216-097	-00 METAL GLAZE 100K	5% 1/10W	C046 C048			C320 C321	1-164-004-11 CERAMIC CF		6 25V
CF1203 1-567-099-00 FILTER, CERAMICO		R1216 1-216-049	-00 METAL GLAZE 1K	5% 1/10W	C049			C322	1-164-004-11 CERAMIC CF	IP 0.1MF 109	6 25V
CF1204 1-567-100-00 FILTER, CERAMIC			-00 METAL GLAZE 100K	5% 1/10W	C050	1-124-903-11 ELECT 1MF	20% 50V	C323	1-163-109-00 CERAMIC CH	IIP 47PF 5%	50 <b>V</b>
		R1218 1-216-081	-00 METAL GLAZE 22K	5% 1/10W	C052	1-164-004-11 CERAMIC CHIP 0.1	MF 10% 25V	C224	1 164 227 11 CEDANTO OL	TIP 2 2MG	16V
<connector></connector>			-00 METAL GLAZE 22K	5% 1/10W	COEE	1-126-941-11 ELECT 470	MF 20% 16V	C324 C325	1-164-337-11 CERAMIC CF 1-163-093-00 CERAMIC CF		
		R1220 1-216-081	-00 METAL GLAZE 22K	5% 1/10W	C055 C057			C325	1-163-095-00 CERAMIC CI		
CN1201 * 1-770-748-11 CONNECTOR, BOARD	TO BOARD 12P	R1221 1-216-081	-00 METAL GLAZE 22K	5% 1/10W	C072	1-126-941-11 ELECT 470	MF 20% 16V	C327	1-163-093-00 CERAMIC C	HIP 10PF 5%	
		R1222 1-216-081	-00 METAL GLAZE 22K	5% 1/10W	C074	1-163-001-11 CERAMIC CHIP 220	)PF 10% 50V	C329	1-163-016-00 CERAMIC C	IIP 0.0039MF 10	% 50V
			-00 METAL GLAZE 22K	5% 1/10W		•					

DESCRIPTION

REMARK | REF. NO. PART NO.

REMARK





REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARA
C1225 C1226 C1229	1-124-120-11	CERAMIC CHIP 0.47MF 25V ELECT 220MF 20% 16V CONDUCTOR, CHIP (2012)		D591 D601 D602 D603	8-719-052-84 8-719-108-18	DIODE 1SS119-25 DIODE RBV-406H-02 THYRISTOR 5P4M DIODE RD13EST1B	
C1513	1-124-122-11	ELECT 100MF 20% 507	٧	D604	8-719-110-36		
		<connector></connector>		D605 D606 D607	8-719-052-52 8-719-510-26	DIODE 31DF2-FD5 DIODE 31DF2-FD5 DIODE D1NL20	
CN103 CN104	*1-564-509-11 *1-770-747-11	PLUG, CONNECTOR (2.5MM) 4P PLUG, CONNECTOR 6P CONNECTOR, BOARD TO BOARD 12P		D609 D610	8-719-510-26	DIODE DINL20 DIODE DINL20 DIODE DINL20	
		CONNECTOR, BOARD TO BOARD 12P (KV-G25M11) PLUG, CONNECTOR 4P	1)	D611 D801 D802	8-719-945-80 8-719-900-26	DIODE ERCO6-15S DIODE ERD29-08J	
		PIN, CONNECTOR (POWER) PIN, CONNECTOR (5MM PITCH) 3P		D851 D852	8-719-302-43 8-719-028-72	DIODE EL1Z DIODE RGP02-17EL-6433	
		PIN, CONNECTOR (5MM PITCH) 2P PIN, CONNECTOR (5MM PITCH) 4P		D853 D855 D857 D858	8-719-302-43 8-719-302-43 8-719-908-03 8-719-908-03	DIODE EL1Z DIODE GPO8D	
		<trimmer></trimmer>		D860		DIODE 1SS119-25	
CT45 CT55 CT60 CT65	1-404-801-11 1-409-429-11	TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC (6.5MHZ)		D891 D901 D1201 D1202 D1207	8-719-054-60 8-719-121-24 8-719-121-24	DIODE ERCO6-15S DIODE LN0220022G DIODE RD9. 1ESL DIODE RD9. 1ESL DIODE RD9. 1ESL	
		<diode></diode>		D1208 D1504		DIODE RD9. 1ESL DIODE 1SS119-25	
D001 D002	8-719-911-19	DIODE RD4. 7ESB2 DIODE 1SS119-25		D1505		DIODE RD5. 1ESB1	
D003 D004 D005	8-719-109-84	DIODE MA113-(TX) DIODE RD5.1ESB1 DIODE RD5.1ESB1				<fuse></fuse>	WEST TO THE STREET
D101 D102 D103	8-719-109-81 8-719-914-42	DIODE MA113-(TX) DIODE RD4.7ESB2 DIODE DA204K		POUL 2		PUSE, TTME_EAC (BET) 3.454 (RV_025M1(ME)/(HK), RV_02	
D251 D252		DIODE 1SS119-25 DIODE DA204K		FB101	1 410 307 21	<pre><ferrite bead=""> FERRITE BEAD INDUCTOR 1.1U</ferrite></pre>	ru
D301 D302 D303 D304	8-719-041-97 8-719-041-97	DIODE MA113-(TX) DIODE MA113-(TX) DIODE MA113-(TX) DIODE MA113-(TX)		FB102 FB251 FB601 FB603	1-410-397-21 1-410-397-21 1-410-397-21	FERRITE BEAD INDUCTOR 1.1U FERRITE BEAD INDUCTOR 1.1U FERRITE BEAD INDUCTOR 1.1U FERRITE BEAD INDUCTOR 1.1U	H H H
D305	8-719-041-97	DIODE MA113-(TX)		FB610	1-410-397-21	FERRITE BEAD INDUCTOR 1.10	īH
D306 D307 D308	8-719-911-19 8-719-109-54	DIODE 1SS119-25 DIODE 1SS119-25 DIODE RD2, 2ESB2 DIODE MA113-(TX)		FB611 FB801 FB801	1-410-397-21	FERRITE BEAD INDUCTOR 1.1U FERRITE BEAD INDUCTOR 1.1U (KV-G25M1 (ME)/(HK), KV-G2 COIL, AIR CORE (KV-G25M1 (F	TH 25M11)
D310 D311	8-719-109-68	B DIODE RD3. 6ESB1		1 10001	1-420-072-00		(000)
D312 D313 D314	8-719-041-97	B DIODE RD8.2ESB2 DIODE MA113-(TX) DIODE MA113-(TX)		IC001	8-752-866-21	<ic> IC CXP85116B-615S</ic>	
D351 D401	8-719-908-03 8-719-421-40	B DIODE GPO8D DIODE MA77		IC002 IC003 IC004	8-759-093-95 8-741-790-11	IC L78LR05D-MA IC CAT24C04P ELEMENT, RAY-CATCHER SBX179	00–11
D402 D403 D513 D551 D561	8-719-911-19 8-719-109-84 8-719-908-03	O DIODE 1SS119-25 O DIODE 1SS119-25 I DIODE RD5. 1ESB1 DIODE CPO8D O DIODE 1SS119-25		IC102 IC203 IC300 IC351	8-759-157-40 8-759-336-30 8-759-339-50 8-759-293-27	IC TA8223K IC TDA8366N3D	



r. NO.	PART NO.	DESCRIPTION	ŧ		REMARK	REF. NO.	PART NO.	DESCRIPTION			R	EMARK
								<del></del>			-	<u> </u>
C330 C332		CERAMIC CHIP		10%	25V 50V	C609 C610	1-126-600-11 1-126-942-61		100MF 1000MF	20% 20%	160V 16V	
C332 C333	1-136-165-00	CERAMIC CHIP	0.1MF	5% 10%	25V	C612	1-102-228-00	CERAMIC	470PF	10%	500V	
C335	1-102-973-00		100PF	5%	50V	C613	1-102-824-00		470PF	5%	50V	
C337	1-124-916-11		22MF	20%	50 <b>V</b>							
						C614	1-124-557-11		1000MF	20%	25V	
C338		CERAMIC CHIP		10%	16V	227000000000000000000000000000000000000	1-164-497-51 1-102-228-00		<b>470PF</b> 470PF	10% 10%	<b>400V</b> 500V	
C339 C340		CERAMIC CHIP CERAMIC CHIP		5% 10%	50V 50V	C616 C620	1-136-619-11		0.0016MF		2KV	
C342		CERAMIC CHIP		10%	25V		∆1-136-548-13		0.1MF			
C344	1-124-907-11		10MF	20%	50V				en e	**********	***************************************	yane.pressnaex
						C622	1-106-383-00			10%		
C350	1-104-664-11		47MF	20%	16V 25V	C623 C624	1-124-120-11 1-126-942-61	ELECI	220MF 1000MF	20% 20%	16V 16V	
C351 C352		CERAMIC CHIP		10%	25V 25V	C625	1-120-942-01	CERAMIC		10%	50V	
C358		CERAMIC CHIP		10%	25V		1.1-164-497-51		470PF			
C359	1-104-665-11		100MF	20%	16V	200000000000000000000000000000000000000					.,,,	
						C631	1-161-830-00		0.0047MF	99%		
367		CERAMIC CHIP		10% 10%	25V 25V	C801 C802	1-123-024-21 1-106-367-00		33MF 0.01MF	10%	160V 200V	
C368 C369		CERAMIC CHIP		10%	25V 25V	C802		CERAMIC CHIP			50V	
C370		CERAMIC CHIP		10%	25V	C805	1-102-244-00		220PF		500V	
C374	1-124-910-11		47MF	20%	50V							
						C806	1-124-903-11		1MF	20%	50V	
C375	1-124-910-11		47MF	20%	50V	C807	1-136-540-11 1-130-959-00		0.82MF 0.047MF	5% 10%	200V 400V	
C402 C403	1-164-232-11	CERAMIC CHIP	0.01MF 22MF	10% 20%	50V 50V	C808 C809	1-150-959-00		330PF	10%	2KV	
C405		CERAMIC CHIP			50V	C810	1-106-365-00		0.0082MF			
C406		CERAMIC CHIP			50V							
						C811	1-162-318-11		0.001M		500V	
407		CERAMIC CHIP			50V 50V	C812 C816	1-136-617-11 1-123-947-00		0.019M 10MF	3% 204	2KV 160V	
C408 C409		CERAMIC CHIP		10% 5%	50V 50V	C820	1-162-135-11		560PF	10%	2KV	
C410		CERAMIC CHIP		5%	50V	C821	1-106-391-12		0.1MF		200V	
C411	1-163-113-00	CERAMIC CHIP	68PF	5%	50V							
					5011	C822	1-136-541-11		1.5MF	5%	200V	
C412		CERAMIC CHIP	100MF	5% 20%	50V 16V	C823 C825	1-164-232-11	CERAMIC CHIP	0.01MF	10% 10%	50V 200V	
C413 C414	1-104-665-11	CERAMIC CHIP		20% 5%	50V	C850	1-124-480-11		470MF	20%	25V	
C415	1-163-117-00	CERAMIC CHIP	0.0047MF		50V	C852	1-104-574-11		0.0047MF		2KV	
C416		CERAMIC CHIE		5%	50V							
			*****		<b>5</b> 011	C853	1-162-318-11			10%	500V 25V	
A17 C418		CERAMIC CHIR CONDUCTOR, C		5%	50V	C854 C856	1-124-480-11 1-162-318-11		470MF 0.001MF	20% 10%	500V	
C419		CERAMIC CHIE		5%	50V	C857	1-130-493-00			5%	50V	
C420	1-104-664-11		47MF	20%	16V	C860	1-102-228-00	CERAMIC	470PF	10%	500V	•
C422	1-216-295-00	CONDUCTOR, (	HIP (2012	2)				n. n.m	00150	000	05011	
C492	1 010 005 00	CONDUCTOR (	מדוזי	(201	2)	C861	1-107-654-11 1-124-910-11		33MF 47MF	20%	250V 50V	
C423 C424		CONDUCTOR, ( CONDUCTOR, (		(201 (201		C875 C876	1-124-910-11		0.068MF		100V	
C425		CERAMIC CHIE		10%	50V	C891		CERAMIC CHIP		10%	50V	
C501	1-102-228-00		470PF		500V	C898	1-106-379-12		0.033MF	10%	100V	
C523	1-104-665-11	ELECT	100MF	20%	16V			ODD HITO OUTD	45000	-a	5011	
CEAO	1 100 000 00	\ \KT 4D	0.11/02	1.00	1007	C901 C902		CERAMIC CHIP CERAMIC CHIP		5% 5%	50V 50V	
C548 C551	1-106-220-00 1-126-968-11		0.1MF 100MF	10% 20%	100V 35V	C1201	1-103-133-00		100MF	20%	16V	
C552	1-126-968-11		100MF	20%	35V	C1202		CERAMIC CHIP		10%	25V	
C553		CERAMIC CHI			50V	C1204	1-104-665-11		100MF	20%	16V	•
C554	1-102-244-00		220PF	10%	500V	0		CDD III C CITT		1.00	0077	
CEEE	1 101 004 00	CEDANTO	1000	en	FOOV	C1205	1-164-004-11 1-104-665-11	CERAMIC CHIP		10% 20%	25V 16V	
C555 C562	1-101-804-00 1-104-665-11		10PF 100MF	5% 20%	500V 16V	C1210 C1213	1-104-665-11		100MF 1MF	20%	50V	
601	1-162-318-11		0.001MF		500V	C1213	1-124-903-11		10 <b>M</b> F	20%	50V	
€60 <b>2</b>	1-161-830-00	CERAMIC	0.0047M		500V	C1217	1-104-665-11		100MF	20%	16V	
C604		ELECT (BLOCK)		20%	400V							
CENP	1 104 222 11	CEDANTO	470DE	1.09	OLA!	C1218		CERAMIC CHIP		5%	50V 25V	
C608	1-104-332-11	LEKAMIL	470PF	10%	2KV	C1221	1-104-000-11	CERAMIC CHIP	U.4/MF		231	



REF. NO.	PART NO.	DESCRIPTION			REMAI	RK	REF. NO.	PART NO.	DESCRIPTION			Ē	REMAL
R021 R027	1-216-065-00 1-216-065-00	METAL GLAZE			1/10W 1/10W		R266 R301	1-216-089-00 1-216-073-00		47K 10K		1/10W 1/10W	
R028	1-216-025-00				1/10W		R302	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R029		METAL GLAZE			1/10W		R303	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R030	1-216-085-00	METAL GLAZE	33K 5	%	1/10W		D204	1 016 005 00	MOTAL CLAZE	100	EW	1 /1 00	
D021	1 216 040 00	METAL GLAZE	117 E	oz ·	1/10W		R304 R305	1-216-025-00 1-216-025-00		100 100		1/10\\ 1/10\\	
R031 R033	1-216-049-00				1/10W		R306	1-216-025-00				1/10W	
R035		METAL GLAZE			1/10W	- [	R307	1-216-025-00		100		1/10W	
R036		METAL GLAZE			1/10₩		R308	1-216-033-00		220	5%	1/10W	
R038	1-216-033-00	METAL GLAZE			1/10₩	1							
R040	1-216-033-00	METAL CLATE	220 5	. Q	1/10W		R309 R310	1-216-033-00 1-216-097-00		220 100K		1/10W 1/10W	
R041	1-216-035-00				1/10W		R311	1-216-075-00		12K		1/10W	
R042	1-216-039-00				1/10W		R312	1-216-025-00				1/10W	
R043		METAL GLAZE			1/10W		R313	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R044	1-216-073-00	METAL GLAZE	10K 5	5%	1/10W							<b>-</b>	
			10077 -	,	1 /1 AW		R314	1-216-025-00				1/10W	
R046					1/10W	ļ	R315	1-216-081-00		22K		1/10\ 1/10\	
R047	1-216-025-00				1/10W 1/10W	I	R316	1-216-065-00	METAL GLAZE	4.7K		25M11)	
R048 R049					1/10W		R317	1-216-049-00	METAL GLAZE	1K		1/10W	
R050		METAL GLAZE			1/10W		IOI I	1 210 045 00	and the cores			25M11)	
							R318	1-216-099-00	METAL GLAZE	120K		1/10W	
R051		METAL GLAZE			1/10W		2010		1000 to 1000	0007	-~	1 (1000	
R052		METAL GLAZE			1/10W		R319	1-216-109-00		330K		1/10\\	
R054					1/10W		R320	1-216-083-00 1-216-689-11		27K 39K		1/10W 0% 1/10	OUT
R057 R059	1-216-049-00	METAL GLAZE METAL GLAZE	1N 5		1/10W 1/10W		R321 R322		METAL CHIP	3.3K		1/10\\	17
KUD9	1-210-003-00	METAL GLAZE	4. (II C	J /N	1/10#		R324	1-216-121-00		1M		1/10W	
R067	1-216-033-00	METAL GLAZE	220 5	<b>5%</b>	1/10W								
R068			100 5	5%	1/10W		R327	1-216-025-00	METAL GLAZE			1/10W	
R071		METAL GLAZE			1/10W		200		an milaman			25M11)	
R076		METAL GLAZE			1/10W		R327 R328		CONDUCTOR, C			V-G25M1 1/10W	,
R077	1-216-025-00	METAL GLAZE	100	<i>J N</i> 0	1/10 <b>W</b>		1.020	1-210-025-00	WEING GLAZE			25M11)	
R090	1-216-073-00	METAL GLAZE	10K 5	5%	1/10W		R328	1-216-295-00	CONDUCTOR, C				)
R101	1-216-065-00	METAL GLAZE			1/10W		R329	1-216-025-00	METAL GLAZE			1/10W	
R102		METAL GLAZE			1/10W					(	KV-(	G25M11)	
R103		METAL GLAZE			1/10W		חכפת	1 216 205 00	CONDUCTOR, C	פוחפ) פזטי	\ /E	T/ COEMI	`
R113	1-216-081-00	METAL GLAZE	22K 5	O76	1/10W		R329 R330		METAL GLAZE			1/10W	,
R114	1_216_041_00	METAL GLAZE	470	5%	1/10W		R332		METAL GLAZE			1/10W	
R115	1-216-081-00	METAL GLAZE	22K		1/10W		R334	1-216-041-00	METAL GLAZE	470		1/10W	
R116		METAL GLAZE			1/10W							G25M11)	
R117		METAL GLAZE			1/10W		R335	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R118	1-216-081-00	METAL GLAZE	22K	5%	1/10W		D335	1-216-077-00	METAL CLASE	15K	54	1/10W	
R119	1_216_055_00	METAL GLAZE	1.8K	5%	1/10W		R336 R338		METAL GLAZE	560		1/10W	
R119 R120		) METAL GLAZE			1/10W		R339		METAL GLAZE	300		1/10W	
R131		METAL OXIDE		5%	2W	F	R340		METAL GLAZE	270		1/10W	
R180	1-216-033-00	METAL GLAZE			1/10W		R341	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R181	1-216-033-00	METAL GLAZE	220	5%	1/10W		B05-	1 010 001	Manya Caram	10	E4	1 /1 000	
2100		10001 OT 100	000	ΕN	1 /1 OW		R351		METAL GLAZE	10		1/10W 1/10W	
R182 R242	1-210-033-00	) METAL GLAZE   METAL GLAZE	220 560		1/10₩ 1/10₩		R355 R356		METAL GLAZE METAL GLAZE	10 1K		1/10W	
R242 R243		) METAL GLAZE ) METAL GLAZE			1/10W		R403		METAL GLAZE			1/10W	
R244		) METAL GLAZE			1/10W		R406		METAL GLAZE			1/10W	
R245	1-216-067-00	METAL GLAZE	5.6K		1/10W								
_			A				R407		METAL GLAZE			1/10W	
R250	1-216-295-00	CONDUCTOR,	CHIP (2012)	<b>)</b>			R408		METAL GLAZE	1.8K		1/10W	
R251		CONDUCTOR,			1/4₩		R409 R410		METAL GLAZE METAL GLAZE	100 10K		1/10\ 1/10\	
R252 R253	1-249-411-11	i carbun D METAL GLAZE		5% 5%	1/4W 1/10W		R410 R411		METAL GLAZE			1/10W	
R253 R254	1-249-389-1			5%	1/4W		1,411	1 210-051-00	ناطاعات سانس		<i>-</i> ~	1, 2011	
1007	. 210 000-1.		•				R412	1-216-069-00	METAL GLAZE	6.8K		1/10W	
R265	1-216-061-0	) METAL GLAZE	3.3K	5%	1/10W		R413	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	



EF. NO.	PART NO.	DESCRIPTION REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC354 IC401	8-759-251-56 8-759-800-65	IC LA7910	Q208 Q210 Q301	8-729-900-98	TRANSISTOR DTC144EK TRANSISTOR DTC143TK TRANSISTOR DTC114EK	
IC521 IC551 IC601	8-759-195-63 8-759-801-98 8-749-010-84		Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (KY-G25M1	1)
IC602 IC603 A	8-749-920-61	IC SE-135N PHOTO COUPLER PC123F2	Q303 Q402	8-729-922-66	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2410SN	•/
	8-759-100-96 8-759-100-96		Q403 Q404	8-729-900-98	TRANSISTOR DTC143TK TRANSISTOR DTC143TK	
		<jack></jack>	Q405 Q406 Q407	8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	
J251 J1201	1-770-785-11 1-770-660-11	JACK JACK BLOCK, PIN 4P JACK BLOCK, PIN 2P	Q408 Q409	8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G	
J1202	1-095-238-11	JACK BLOCK, PIN 2P <chip conductor=""></chip>	Q410 Q411 Q412	8-729-120-28 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6	
JR102	1-216-295-00	CONDUCTOR, CHIP (2012)	Q413 Q414		TRANSISTOR DTC143TK TRANSISTOR 2SC1623-L5L6	
JR103 JR104	1-216-295-00 1-216-295-00	CONDUCTOR, CHIP (2012) (KV-G25M11) CONDUCTOR, CHIP (2012)	Q415 Q416 Q417 Q418	8-729-120-28 8-729-900-98	TRANSISTOR DTC143TK TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC143TK TRANSISTOR DTC143TK	
		<00IL>	Q561		TRANSISTOR 2SA1091-0	
L002 L003 L101 L301 L401	1-410-470-11 1-408-411-00 1-410-396-41 1-408-609-41 1-410-498-11	INDUCTOR 15UH FERRITE BEAD INDUCTOR 0.45UH INDUCTOR 33UH	Q601 Q801 Q802 Q821 Q902	8-729-140-96 8-729-016-32 8-729-018-99	TRANSISTOR 2SC2412K TRANSISTOR 2SD774-34 TRANSISTOR 2SC4927-01 TRANSISTOR 2SD2394-F TRANSISTOR DTC144EK	
L402 L403 L404 L405 L406	1-410-510-11 1-410-510-11 1-410-508-11 1-410-508-11 1-410-507-11	INDUCTOR 12UH INDUCTOR 8.2UH INDUCTOR 8.2UH	Q903 Q1201 Q1202 Q1203 Q1204	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G	
L407 L408 L409 L410 L411	1-535-303-00 1-535-303-00	INDUCTOR 15UH LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM)	Q1207 Q1208 Q1265 Q1513	8-729-120-28 8-729-900-98	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC143TK TRANSISTOR 2SC1623-L5L6	
L802 L804 L805 L807	1-459-907-11	INDUCTOR 15UH COIL, DYNAMIC CONVERSION CHOKE COIL, HORIZONTAL LINEARITY COIL (WITH CORE)	R001 R002	1-216-065-00 1-216-065-00	<pre><resistor> METAL GLAZE  4.7K     5% 1/10% METAL GLAZE  4.7K     5% 1/10%</resistor></pre>	
L808 L821 L850	1-412-553-11	INDUCTOR 3.3MMH COIL, DRAM CORE (CDI)	R003 R004 R007	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W METAL GLAZE 4.7K 5% 1/10W	i I
-300	2 100 VII-VU	<transistor></transistor>	R008 R009 R010 R012	1-216-049-00 1-216-049-00 1-216-049-00 1-216-017-00	METAL GLAZE 1K 5% 1/10% METAL GLAZE 1K 5% 1/10%	i i
Q030 Q031 Q108	8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6	R013 R014	1-216-049-00 1-216-049-00	METAL GLAZE 1K 5% 1/10W	I
)109 Q110 Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162 C	R015 R018 R019	1-216-043-91 1-216-033-00 1-216-101-00	METAL GLAZE       560       5%       1/10W         METAL GLAZE       220       5%       1/10W         METAL GLAZE       150K       5%       1/10W	! !
Q207		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	R020	1-216-025-00	METAL GLAZE 100 5% 1/10W (KV-G25M11)	

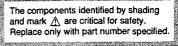


The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

R910	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARI.
R1201	R911 R913 R914	1-216-071-00 1-216-041-00 1-216-041-00	METAL GLAZE 8.2K 5% METAL GLAZE 470 5% METAL GLAZE 470 5%	1/10W 1/10W 1/10W	T605	<u> 1.424-461-11</u>	TRANSFORMER, TRANSFORMER	CONVERTER (S LINE FILIER	
R1211 1-216-021-00 METAL GLAZE 68 5% 1/10W R1215 1-216-113-00 METAL GLAZE 1K 5% 1/10W R1216 1-216-113-00 METAL GLAZE 470K 5% 1/10W R1218 1-216-041-00 METAL GLAZE 470K 5% 1/10W R1218 1-216-041-00 METAL GLAZE 470K 5% 1/10W R1220 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1221 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1221 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1222 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1222 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1223 1-216-041-00 METAL GLAZE 10K 5% 1/10W R1223 1-216-047-00 METAL GLAZE 10K 5% 1/10W R1231 1-216-049-00 METAL GLAZE 100 5% 1/10W R1241 1-216-05-00 METAL GLAZE 10	R1201 R1202 R1203 R1205	1-216-023-00 1-216-049-00 1-216-089-00 1-216-023-00	METAL GLAZE 82 5% METAL GLAZE 1K 5% METAL GLAZE 47K 5% METAL GLAZE 82 5%	1/10W 1/10W 1/10W 1/10W	T851 /	6.1-453-190-11	TRANSPORMER /	lssy. Flyback	
R1219 1-216-073-00 METAL GLAZE 10K 5% 1/10W R1220 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1221 1-216-6073-00 METAL GLAZE 10K 5% 1/10W R1228 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1228 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1230 1-216-073-00 METAL GLAZE 10K 5% 1/10W R1231 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1233 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1233 1-216-057-00 METAL GLAZE 10K 5% 1/10W R1233 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R1233 1-216-057-00 METAL GLAZE 3.9K 5% 1/10W R1233 1-246-057-00 METAL GLAZE 3.9K 5% 1/10W R1241 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1241 1-216-049-00 METAL GLAZE 10K 5% 1/10W R1243 1-216-057-00 METAL GLAZE 10K 5% 1/10W R1244 1-216-037-00 METAL GLAZE 10K 5% 1/10W R1246 1-216-037-00 METAL GLAZE 3.9K 5% 1/10W R1246 1-216-037-00 METAL GLAZE 3.9K 5% 1/10W R1246 1-216-037-00 METAL GLAZE 3.05 5% 1/10W R1246 1-216-037-00 METAL GLAZE 3.05 5% 1/10W R1247 1-216-041-00 METAL GLAZE 470 5% 1/10W R1248 1-216-051-00 METAL GLAZE 470 5% 1/10W R1249 1-216-041-00 METAL GLAZE 470 5% 1/10W R1249 1-216-041-00 METAL GLAZE 470 5% 1/10W R1249 1-216-051-00 METAL GLAZE 470 5% 1/10W R1514 1-216-055-00 METAL GLAZE 470 5% 1/10W R1513 1-216-051-00 METAL GLAZE 470 5% 1/10W R1514 1-216-055-00 METAL GLAZE 10K 5% 1/10W R1515 1-216-051-00 METAL GLAZE 470 5% 1/10W R1516 1-216-073-00 METAL GLAZE 470 5% 1/10W R1517 1-216-041-00 METAL GLAZE 470 5% 1/10W R1518 1-216-051-00 METAL GLAZE 470 5% 1/10W R1518 1-216-051-00 METAL GLAZE 470 5% 1/10W R1518 1-216-051-00 METAL GLAZE 50  50  50  50  50  50  50  50  50  50	R1211 R1212 R1215 R1216	1-216-021-00 1-216-049-00 1-216-113-00 1-216-113-00	METAL GLAZE 68 5% METAL GLAZE 1K 5% METAL GLAZE 470K 5% METAL GLAZE 470K 5%	1/10W 1/10W 1/10W 1/10W			<tuner></tuner>		
R1231 1-216-049-00 METAL GLAZE 1K 5% 1/10W R1232 1-216-063-00 METAL GLAZE 2.2K 5% 1/10W R1233 1-216-057-00 METAL GLAZE 3.9K 5% 1/10W R1235 1-216-689-11 METAL GLAZE 39K 5% 1/10W R1239 1-249-389-11 CARBON 4.7 5% 1/4W F R1240 1-216-049-00 METAL GLAZE 100 5% 1/10W R1241 1-216-049-00 METAL GLAZE 1NK 5% 1/10W R1243 1-216-025-00 METAL GLAZE 1NK 5% 1/10W R1243 1-216-037-00 METAL GLAZE 100 5% 1/10W R1246 1-216-037-00 METAL GLAZE 330 5% 1/10W R1247 1-216-041-00 METAL GLAZE 330 5% 1/10W R1248 1-216-051-00 METAL GLAZE 470 5% 1/10W R1249 1-216-041-00 METAL GLAZE 470 5% 1/10W R1249 1-216-041-00 METAL GLAZE 1.2K 5% 1/10W R1249 1-216-050-00 METAL GLAZE 470 5% 1/10W R1249 1-216-050-00 METAL GLAZE 470 5% 1/10W R1513 1-216-073-00 METAL GLAZE 470 5% 1/10W R1514 1-216-065-00 METAL GLAZE 100 5% 1/10W R1515 1-216-025-00 METAL GLAZE 100 5% 1/10W R1516 1-216-025-00 METAL GLAZE 100 5% 1/10W R1517 1-216-025-00 METAL GLAZE 100 5% 1/10W R1518 1-216-025-00 METAL GLAZE 100 5% 1/10W R1515 1-216-025-00 METAL GLAZE 100 5% 1/10W R1515 1-216-025-00 METAL GLAZE 100 5% 1/10W R1515 1-216-025-00 METAL GLAZE 100 5% 1/10W R1516 1-216-025-00 METAL GLAZE 100 5% 1/10W R1517 1-216-025-00 METAL GLAZE 100 5% 1/10W R1518 1-216-037-00 METAL	R1219 R1220 R1221 R1227 R1228	1-216-073-00 1-216-049-00 1-216-073-00 1-216-689-11 1-216-049-00 1-216-041-00	METAL GLAZE 10K 5% METAL GLAZE 1K 5% METAL GLAZE 10K 5% METAL GLAZE 39K 5% METAL GLAZE 1K 5% METAL GLAZE 470 5%	1/10W 1/10W 1/10W 1/10W 1/10W	X101 X300 X358	1-577-082-11 1-404-835-31 1-567-505-11	<crystal> VIBRATOR, CER COIL, IF OSCILLATOR, C</crystal>	RAMIC CRYSTAL	
R1239 1-249-389-11 CARBON 4.7 5% 1/4W F R1240 1-216-025-00 METAL GLAZE 100 5% 1/10W R1241 1-216-049-00 METAL GLAZE 1K 5% 1/10W R1243 1-216-025-00 METAL GLAZE 100 5% 1/10W R1245 1-216-037-00 METAL GLAZE 330 5% 1/10W R1246 1-216-037-00 METAL GLAZE 330 5% 1/10W R1247 1-216-041-00 METAL GLAZE 330 5% 1/10W R1248 1-216-051-00 METAL GLAZE 470 5% 1/10W R1249 1-216-041-00 METAL GLAZE 1.2K 5% 1/10W R1249 1-216-041-00 METAL GLAZE 470 5% 1/10W R1513 1-216-073-00 METAL GLAZE 470 5% 1/10W R1513 1-216-073-00 METAL GLAZE 470 5% 1/10W R1514 1-216-065-00 METAL GLAZE 470 5% 1/10W R1515 1-216-065-00 METAL GLAZE 10K 5% 1/10W R1515 1-216-025-00 METAL GLAZE 10K 5% 1/10W R1515 1-216-025-00 METAL GLAZE 10O 5% 1/10W C710 1-102-114-00 CERAMIC 470PF 10% 50V C711 1-102-361-00 CERAMIC 150PF 5% 50V C712 1-101-361-00 CERAMIC 82PF 5% 50V C713 1-102-971-00 CERAMIC 82PF 5% 50V C714 1-101-361-00 CERAMIC 150PF 5% 50V C715 1-124-122-11 ELECT 100MF 20% 50V  C716 1-124-122-11 ELECT 100MF 20% 50V  C716 1-124-122-11 ELECT 100MF 20% 50V	R1231 R1232 R1233	1-216-049-00 1-216-063-00 1-216-057-00	METAL GLAZE 1K 5% METAL GLAZE 3.9K 5% METAL GLAZE 2.2K 5%	1/10W 1/10W 1/10W	*****		C BOARD, COMP	PLETE	******
R1245 1-216-037-00 METAL GLAZE 330 5% 1/10W C704 1-130-202-00 FILM 0.022MF 5% 400V R1246 1-216-037-00 METAL GLAZE 330 5% 1/10W C708 1-102-114-00 CERAMIC 470PF 10% 50V R1247 1-216-041-00 METAL GLAZE 470 5% 1/10W C709 1-102-114-00 CERAMIC 470PF 10% 50V R1248 1-216-051-00 METAL GLAZE 1.2K 5% 1/10W C710 1-102-114-00 CERAMIC 470PF 10% 50V C712 1-101-361-00 CERAMIC 150PF 5% 50V R1513 1-216-073-00 METAL GLAZE 10K 5% 1/10W C713 1-102-971-00 CERAMIC 82PF 5% 50V R1514 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W C714 1-101-361-00 CERAMIC 82PF 5% 50V R1515 1-216-025-00 METAL GLAZE 100 5% 1/10W C716 1-124-122-11 ELECT 100MF 20% 50V C716 1-124-122-11 ELECT 100MF 20% 50V C716 1-124-122-11 ELECT 100MF 20% 50V	R1239 R1240 R1241	1-249-389-11 1-216-025-00 1-216-049-00	CARBON 4.7 5% METAL GLAZE 100 5% METAL GLAZE 1K 5%	1/4W F 1/10W 1/10W	C701	1-162-114-00		0.0047MF 2KV	
C712 1-101-361-00 CERAMIC 150PF 5% 50V R1513 1-216-073-00 METAL GLAZE 10K 5% 1/10W R1514 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1515 1-216-025-00 METAL GLAZE 10O 5% 1/10W  C714 1-101-361-00 CERAMIC 82PF 5% 50V C714 1-101-361-00 CERAMIC 150PF 5% 50V C716 1-124-122-11 ELECT 100MF 20% 50V  C716 1-124-122-11 ELECT 100MF 20% 50V  C717 1-101-361-00 CERAMIC 150PF 5% 50V C718 1-101-361-00 CERAMIC 150PF 5% 50V C719 1-101-361-00 CERAMIC 150PF 5% 50V C710 1-101-361-00 CERAMIC 150PF 5% 50V C7	R1246 R1247	1-216-037-00 1-216-041-00	METAL GLAZE 330 5% METAL GLAZE 470 5%	3 1/10W 3 1/10W	C704 C708	1-130-202-00 1-102-114-00	FILM CERAMIC	0.022MF 5% 470PF 10%	400V 50V
S601 A.1-762-087-11 SWITCH, PUSH (AC POWER) CN701 *1-508-766-00 PIN, CONNECTOR (5MM PITCH) 4P	R1513 R1514	1-216-073-00 1-216-065-00	METAL GLAZE 10K 5% METAL GLAZE 4.7K 5%	5 1/10W 5 1/10W	C712 C713 C714	1-101-361-00 1-102-971-00 1-101-361-00	CERAMIC CERAMIC CERAMIC	150PF 5% 82PF 5% 150PF 5%	50V 50V 50V
			<switch></switch>				<connector></connector>		
\$901 1-570-577-11 SWITCH, PUSH CN704 1-695-915-11 TAB (CONTACT) \$902 1-570-577-11 SWITCH, PUSH \$903 1-570-577-11 SWITCH, PUSH	\$801 \$901 \$902	1-572-707-11 1-570-577-11 1-570-577-11	SWITCH, LEVER SWITCH, PUSH SWITCH, PUSH		CN703	* 1-564-509-11	PLUG, CONNECT TAB (CONTACT)	TOR 6P	) 4P
S904   1-570-577-11   SWITCH, PUSH   S905   1-570-577-11   SWITCH, PUSH   D701   8-719-911-19   DIODE   ISS119-25	S905		SWITCH, PUSH		D702 D703 D704	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- DIODE 1SS119-	-25 -25 -25	
SG801 1-519-422-11 GAP, SPARK  D706 8-719-911-19 DIODE ISS119-25 D707 8-719-911-19 DIODE ISS119-25 D708 8-719-911-19 DIODE ISS119-25 D708 8-719-911-19 DIODE ISS119-25 D709 8-719-911-19 DIODE ISS119-25 D709 8-719-911-19 DIODE ISS119-25 D710 8-719-911-19 DIODE ISS119-25			<filter></filter>		D707 D708 D709	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119- DIODE 1SS119- DIODE 1SS119-	-25 -25 -25	



											•	
EF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			!	REMARK
R414	1-216-041-00	METAL GLAZE	470 5	% 1/10V	7	R617	1-215-924-00	METAL OXIDE	15K	5%	3₩	F
R415	1-216-033-00	METAL GLAZE	220 5	6 1/10V	1	R619	1-249-377-11		0.47	5%	1/4W	F
R416		METAL GLAZE		6 1/10V		R621	1-211-748-11		5.6	5%	5W	F
						R622	1-217-190-21		0.15	10%		F
R417	1-216-033-00	METAL GLAZE	220 59	6 1/10V	1	R623	1-247-807-31		100	5%	1/4W	
R418		METAL GLAZE		6 1/10V		11020	1 211 001 01	CILLDON	100	0.0	1/411	
R419		METAL GLAZE		1/10		R624	1-215-881-11	METAL OYIDE	15	5%	2₩	F
R420		METAL GLAZE		6 1/10W		R625	1-249-424-11		3.9K	5%	2₩ 1/4₩	Г
R421		METAL GLAZE		6 1/10W		R626	1-249-420-11		1.8K	5%	1/4W	
				- 1, 10.		R627	1-249-417-11		1. ok 1K	5%	1/4W	
R422	1-216-027-00	METAL GLAZE	120 59	6 1/10W	,	R628	1-249-417-11		1K	5%	1/4W	
R423	1-216-029-00			6 1/10W		, KOZO	1 243 411-11	Childon	IK	J.10	1/411	
R424	1-216-057-00			6 1/10W		R629	1-249-401-11	CARRON	47	5%	1/4W	
R425		METAL GLAZE		6 1/10		R635	1-215-882-00		22	5%	2W	F
R426	1-216-029-00			6 1/10W		Root	1 210-002-00	METAL OXIDE			25M11)	Г
			200	- 1, 101		R636	1-215-924-00	METAL OYIDE		5%	3W	F
R427	1-216-037-00	METAL GLAZE	330 59	6 1/10W	r	R801	1-215-920-11		3. 3K	5%	3₩	F
R428	1-216-081-00			6 1/10W		R802	1-249-387-11		3.3n	5%	3₩ 1/4₩	r F
R429	1-216-039-00			6 1/10W		1002	1-243-301-11	CALLDON	3.3	מכ	1/41	Г
R430		METAL GLAZE		6 1/10W		R804	1-216-049-00	METAL CLASE	1 <b>V</b>	E0/	1/10W	
R431	1-216-081-00			6 1/10W		R805	1-216-081-00				1/10\\	
			2211 0	. 1/101		R808	1-535-303-00			370	1/10#	
R432	1-216-041-00	METAL GLAZE	470 59	6 1/10W	,	R809	1-247-756-11		2.2K	5%	1/2W	F
R433	1-216-081-00			6 1/10W		R811	1-216-346-00			5%	1/2# 1\	F.
R434	1-216-041-00			6 1/10W		1011	1 210 040-00	METAL OXIDE	0.30	<i>J R</i>	ΤĦ	г.
R435	1-216-041-00			6 1/10W		R812	1-216-075-00	METAL CLAZE	12K	5.0¢	1/10W	
R436	1-216-081-00			1/10W		R816	1-249-430-11		12K		1/4W	
				-, -, -, -, -, -, -, -, -, -, -, -, -, -	1	R820	1-216-053-00		1.5K		1/10W	
R437	1-216-081-00	METAL GLAZE	22K 59	1/10W		R821	1-215-910-00		68	5%	3₩	F
R440	1-216-029-00			1/10W		R822	1-216-429-00			5%	3₩ 1₩	F
R441	1-216-021-00			1/10W		11000	1 210 425-00	METAL OXIDE	210	3.6	ΤH	г
R521	1-216-049-00			1/10W		R823	1-247-756-11	CARBON	2.2K	5%	1/2W	F
R552		METAL GLAZE		6 1/10W		R825	1-249-392-11		8.2		1/4W	F
		(KV-G25M1 (RUS				R826	1-216-059-00		2.7K		1/10₩	r
		(212)	,, (141,,,11.	000	´	R827	1-216-097-00		100K		1/10W	
R553	1-216-295-00	CONDUCTOR, CI	HIP (2012)		ļ	R828	1-216-063-00		3.9K		1/10W	
		(KV-G25M1 (RUS		-G25M11	)		1 210 000 00	MUTTE CLEEL	J. JK	5.0	1/ 10#	
R555	1-249-429-11		10K 59		1	R829	1-216-053-00	METAL GLAZE	1.5K	5%	1/10 <b>W</b>	
R556	1-216-049-00	METAL GLAZE		1/10₩	1	R831	1-216-426-11	METAL OXIDE	82	5%	1W	F
R557	1-216-055-00	METAL GLAZE		1/10W		R832	1-216-057-00	METAL GLAZE			1/10\	•
R56O		CONDUCTOR, CE				R834	1-216-073-00		10K		1/10W	
						R851	1-249-382-11		1.2		1/4W	F
R561	1-249-421-11	CARBON	2e: 2K 59	1/4W	•					0.0	1, 1.,	•
R562	1-249-420-11	CARBON	1.8K 59	1/4W	F	R852	1-249-923-11	CARBON	1K	5%	1/4W	F
R563	1-247-885-00	CARBON	180K 59	1/4W		R853	1-249-377-11		0.47	5%	1/4W .	
R564	1-216-091-00			1/10W		R854	1-249-377-11	CARBON	0.47	5%	1/4W	F
R565	1-216-091-00	METAL GLAZE	56K 59	1/10\	•	R855	1-202-818-00	SOLID	1K	20%	1/2W	-
					1	R856	1-249-425-11	CARBON	4.7K		1/4W	
R566		METAL GLAZE		1/10W								
R569	1-247-883-00			1/4₩		R857	1-249-438-11	CARBON	56K	5%	1/4W	
R57O		CONDUCTOR, CI				R858	1-216-370-11	METAL OXIDE	1.2	5%	2₩	FZ
		(KV-G25M1 (RUS	S)/(HK), KV	-G25M11	)	R860	1-247-887-00	CARBON	220K	5%	1/4W	
R603	1-249-416-11		820 59			R881	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R604	1-249-416-11	CARBON	820 59	1/4W	F	R882	1-216-059-00	METAL GLAZE	2.7K		1/10W	
R606	1-215-915-11	METAL OXIDE	470 59	3 <b>W</b>	F	R883	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R608		LEAD, JUMPER				R895	1-216-348-00	METAL OXIDE	0.82	5%	1₩	F
R609	1-249-381-11		1 59		,	R898	1-249-421-11		2.2K	5%	1/4W	
R61O	1-215-924-00		15K 59			R902	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R611	1-202-933-61	FUSIBLE	0.1 10	% 1/2W	F	R904	1-216-065-00	METAL GLAZE	4.7K		1/10W	
Dete	. 0.10 05= :	0.177			ļ							
R612	1-249-377-11		0.47 59			R905	1-216-049-00			5%	1/10W	
3613	1-249-377-11		0.47 59			R906	1-216-049-00	METAL GLAZE	1K		1/10W	
R614	1-215-877-11		22K 59		F	R907	1-216-055-00				1/10W	
R615	1-249-389-11	CARBON	4.7 5%			R908	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R616 ₫	1-218-265-91	METAL	8.2 <b>H</b> 59	18		R909	1-216-061-00	METAL GLAZE	3.3K	5%	1/10 <b>W</b>	





DESCRIPTION REMARI REF. NO. PART NO. REF. NO. PART NO. REMARK | DESCRIPTION <TRANSFORMER> 8-759-324-28 IC P83C654 T1601 16.1-424-436-11 TRANSPORMER LINE FILTER IC01 TIGO2 A.1-424-436-11 TRANSFURMER, LINE FILTER TC02 8-759-298-63 IC SAA5281ZP/E <CHIP CONDUCTOR> \*A-1347-103-A V1 BOARD, COMPLETE (KV-G25M11) \*\*\*\*\*\* JR02 1-216-295-00 CONDUCTOR, CHIP (2012) 1-216-295-00 CONDUCTOR, CHIP (2012) TR03 1-216-295-00 CONDUCTOR, CHIP (2012) **TR04** 1-216-295-00 CONDUCTOR, CHIP (2012) JR07 <CAPACITOR> 1-216-295-00 CONDUCTOR, CHIP (2012) TR08 1-163-037-11 CERAMIC CHIP 0.022MF 10% C01 1-124-907-11 ELECT 10MF 50V 20% C02 1-163-037-11 CERAMIC CHIP 0.022MF 1-164-004-11 CERAMIC CHIP 0.1MF <01IL> 10% 25V C03 25V 10% C04 1-410-464-11 INDUCTOR 3.3UH L01 50V 1-124-907-11 ELECT 10MF 20% C05 1-410-464-11 INDUCTOR 3.3UH 1.03 1-410-464-11 INDUCTOR 3.3UH 1-163-227-11 CERAMIC CHIP 10PF 0.5PF 50V 1.04 C06 1-163-009-11 CERAMIC CHIP 0.001MF 10% L05 1-410-464-11 INDUCTOR 3. 3UH 50V C07 1-163-097-00 CERAMIC CHIP 15PF 1-410-464-11 INDUCTOR 3.3UH L06 5% 50 C08 1-164-004-11 CERAMIC CHIP 0.1MF 10% C09 25V 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C10 <TRANSISTOR> 1-164-346-11 CERAMIC CHIP 1MF 16V C11 1-164-004-11 CERAMIC CHIP 0.1MF 25V 001 8-729-120-28 TRANSISTOR 2SC1623-L5L6 10% C12 8-729-900-53 TRANSISTOR DTC114EK 002 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C13 8-729-120-28 TRANSISTOR 2SC1623-L5L6 1-216-295-00 CONDUCTOR, CHIP (2012)003 C14 8-729-120-28 TRANSISTOR 2SC1623-L5L6 1-124-482-11 ELECT 35V 004 C15 8-729-216-22 TRANSISTOR 2SA1162-G Q05 20% 50V 4.7MF C16 1-126-963-11 ELECT 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q06 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C17 8-729-019-01 TRANSISTOR 2SD2394-EF 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V 007 C19 8-729-140-96 TRANSISTOR 2SD774-34 1-124-907-11 ELECT Q08 10MF 20% 50V C22 1-163-038-00 CERAMIC CHIP 0.1MF 009 8-729-901-04 TRANSISTOR DTA114EK 25V C2350V 1-124-907-11 ELECT 10MF 20% C25 <RESISTOR> C26 1-124-119-00 ELECT 330MF 20% 16V 100MF 20% 16V 1-104-665-11 ELECT C271-163-099-00 CERAMIC CHIP 18PF 5% 1/10W 1-216-061-00 METAL GLAZE 3.3K 50V R01 5% C28 R02 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W 1-163-099-00 CERAMIC CHIP 18PF 50V 5% C29 1-216-085-00 METAL GLAZE 33K 5% 1/10W R03 1-216-025-00 METAL GLAZE 100 5% 1/10W 1-163-099-00 CERAMIC CHIP 18PF 5% 50V R04 C30 5% 1/10W 1-216-057-00 METAL GLAZE 2.2K R05 1-163-099-00 CERAMIC CHIP 18PF 5% 50V C31 5% 1/10W 1-216-075-00 METAL GLAZE R06 1-216-025-00 METAL GLAZE 5% 1/10W 100 R07 <CONNECTOR> 5% 1/10W 1-216-025-00 METAL GLAZE 100 R08 2.2K 5% 1/10W 1-216-057-00 METAL GLAZE CN01 \*1-770-748-11 CONNECTOR, BOARD TO BOARD 12P R09 1-216-083-00 METAL GLAZE 27K 5% 1/10W R10 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R11 <DIODE> 5% 1/10W 1-216-057-00 METAL GLAZE R12 2.2K 5% 1/10W R13 1-216-061-00 METAL GLAZE 3.3K 8-719-105-51 DIODE RD3.6M-B1 D001 1-216-073-00 METAL GLAZE 10K 5% 1/10W R16 8-719-914-43 DIODE DAN202K D03 1-216-065-00 METAL GLAZE 5% 1/10W 4.7K 8-719-105-91 DIODE RD5.6M-B2 R17 D04 8-719-914-44 DIODE DAP202K D05 5% 1/10W 1-216-059-00 METAL GLAZE 2.7K 8-719-914-43 DIODE DAN202K R18 D06 5% 1/10W 1-216-049-00 METAL GLAZE 1K R19 1-216-049-00 METAL GLAZE 1K 5% 1/10W R20 5% 1/10W 1-216-065-00 METAL GLAZE 4.7K <FERRITE BEAD> R21 1-216-041-00 METAL GLAZE 470 5% 1/10W R22 1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH FB01 5% 1/10W R24 1-216-025-00 METAL GLAZE 100 5% 1/10W 1-216-025-00 METAL GLAZE 100 R25 5% 1/10W 1-216-049-00 METAL GLAZE 1K R26





F.	NO.	PART NO.	DESCRIPTION			<u>R</u>	EMARK	REF. NO.	PART NO.	DESCRIPTION			RI	EMARK
D71 D71 D71 D71	.2 .6	8-719-911-19 8-719-911-19 8-719-911-19 8-719-121-24	DIODE 1SS119- DIODE 1SS119-	-25 -25				R726 R727 R728 R729 R730	1-249-422-11 1-249-422-11 1-215-410-00 1-215-410-00 1-215-410-00	CARBON METAL METAL	2. 7K 2. 7K 360 360 360	5% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
<b>J</b> 7(	1 Д	) i -251-2 <del>3</del> 9-22	<jack></jack>					R731 R732 R733 R734 R738	1-535-303-00 1-535-303-00	LEAD, JUMPER LEAD, JUMPER LEAD, JUMPER CARBON	(5.0MM)		1/2W	
L70 L70 L70 L70	)2 )3 )4	1-410-667-31 1-535-303-00 1-408-609-41 1-535-303-00	LEAD, JUMPER INDUCTOR LEAD, JUMPER	33UH (5.0MM)			,	R739 R740 R747 R749 R751	1-247-807-31 1-247-807-31 1-216-489-11 1-216-490-11	CARBON	100 100 27K 39K	5%	1/4W 1/4W 1/4W 3W 3W 3W	F F F
L70 L70 L70	6	1-408-609-41 1-535-303-00 1-408-609-41	LEAD, JUMPER	33UH (5.0MM) 33UH				R753 R755 R756 R757 R758	1-249-429-11 1-249-427-11 1-249-427-11 1-249-427-11 1-249-419-11	CARBON CARBON CARBON	10K 6.8K 6.8K 6.8K 1.5K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q70 Q70 Q70 Q70 Q70 Q70	)2 )3 )4 )5	8-729-326-11 8-729-326-11 8-729-326-11 8-729-326-11 8-729-326-11 8-729-326-11 8-729-200-17	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2611 SC2611 SC2611 SC2611				R759 R760 RV701	1-249-419-11 1-249-419-11 1-230-641-11			5%	1/4W 1/4W	F
Q70 Q70 Q71 Q71 Q71	08 09 00 1 2	8-729-200-17 8-729-200-17 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA1091-0 SA1091-0 SC2785-HF SC2785-HF	Æ			*******	**************************************			***** V-G25	******* 5M1 (RUSS	****
Q71	4	8-729-255-12	TRANSISTOR 2:	SC2551-0					1-533-223-11	CLIP, FUSE	*****			
R70 R70 R70 R70 R71	2 3 5	1-244-941-00 1-249-496-11 1-249-496-11 1-216-392-11 1-215-899-11	CARBON CARBON METAL OXIDE	680K 100K 100K 1.8 15K	5%	1/2W 1/2W 1/2W 3W 2W	F F	CISOL A	∆1-104-706-51		0.22MF	20%	250V	
R71 R71 R71 R71 R71	2 3 4	1-247-758-11 1-215-899-11 1-247-758-11 1-215-899-11 1-247-758-11	METAL OXIDE CARBON METAL OXIDE	3.3K 15K 3.3K 15K 3.3K	5% 5% 5% 5% 5%	1/2W 2W 1/2W 2W 1/2W	F F		* 1-580-843-11 * 1-580-843-11					
R71 R71 R71 R71 R72	7 8 9	1-249-899-11 1-249-405-11 1-249-899-11 1-215-487-00 1-249-417-11	CARBON CARBON METAL	100 100 100 560K 1K	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	7 7 7	F1601 A	\1-532-465-31	<pre><fuse> FUSE: TIME-L <resistor></resistor></fuse></pre>	AG (BET)	3.15/	/250V	
\.72 .272 R72 R72 R72	2 3 4	1-215-491-00 1-249-923-11 1-215-489-00 1-249-417-11 1-249-422-11	CARBON METAL CARBON	820K 1K 680K 1K 2.7K	1% 5% 1% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F	R1601 A	\1- <b>202-91</b> 6-91	SOLID	5.64	20%	1/2W	

The components identified by shading and mark  $\triangle$  are critical for safety.

Replace only with part number specified.



REMARK

REF. NO.	PART NO.	DESCRIPTION		<u>R</u>	EMARK	REF. NO.	PART NO.	DESCRIPTION
R27	1-216-071-00	METAL GLAZE	8.2K 5%	1/10W	İ			REMOTE COMMANDER
R28	1-216-025-00	METAL GLAZE	100 5%	1/10W				******
R29	1-216-025-00	METAL GLAZE	100 5%	1/10W	Ì		1-473-323-11	. REMOTE COMMANDER (RM-870)
R30	1-216-071-00	METAL GLAZE	8.2K 5%	1/10W				
R31	1-216-025-00	METAL GLAZE	100 5%	1/10W				
R32	1-216-071-00	METAL GLAZE	8.2K 5%	1/10W				
R33	1-216-065-00	METAL GLAZE		1/10W				
R34	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W				
R35	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	-			
R36	1-216-025-00	METAL GLAZE	100 5%	1/10W	i			
R37	1-216-049-00	METAL GLAZE		1/10W				
R38	1-260-085-11	CARBON		1/2W				
R41	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W				
R43	1-216-295-00	CONDUCTOR, CH	IIP (2012)					
R44	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W				
R45	1-216-021-00	METAL GLAZE	68 5%	1/10W				
R46		METAL GLAZE		1/10W				
R47	1-216-021-00	METAL GLAZE	68 5%	1/10W				
		<crystal></crystal>						
X01	1-579-266-31	CRYSTAL VIBRA	TOR					
	1-579-266-31			******	****			

### MISCELLANEOUS

1-544-453-21 SPEAKER (2CM) 1-504-305-11 SPEAKER (5X12CM)

# ACCESSORIES AND PACKING MATERIALS

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3--800--141--21 MANUAL, INSTRUCTION (KY-G25M1(ME) 3--800--141--41 MANUAL, INSTRUCTION

(KV-G25M1 (HK) /M11)
3-800-141-51 MANUAL, INSTRUCTION (KV-G25M1 (RUSS))

\*4-029-168-01 BAG, PROTECTION (KV-G25M11)
\*4-039-372-01 BAG, PROTECTION (KV-G25M1)
3-701-910-00 SCREW, SPECIAL (DIA. 3.8X20)

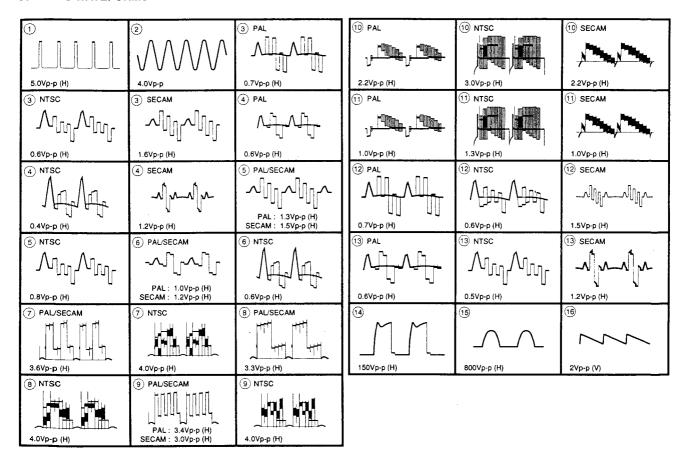
4-392-003-11 BAND, HOLD

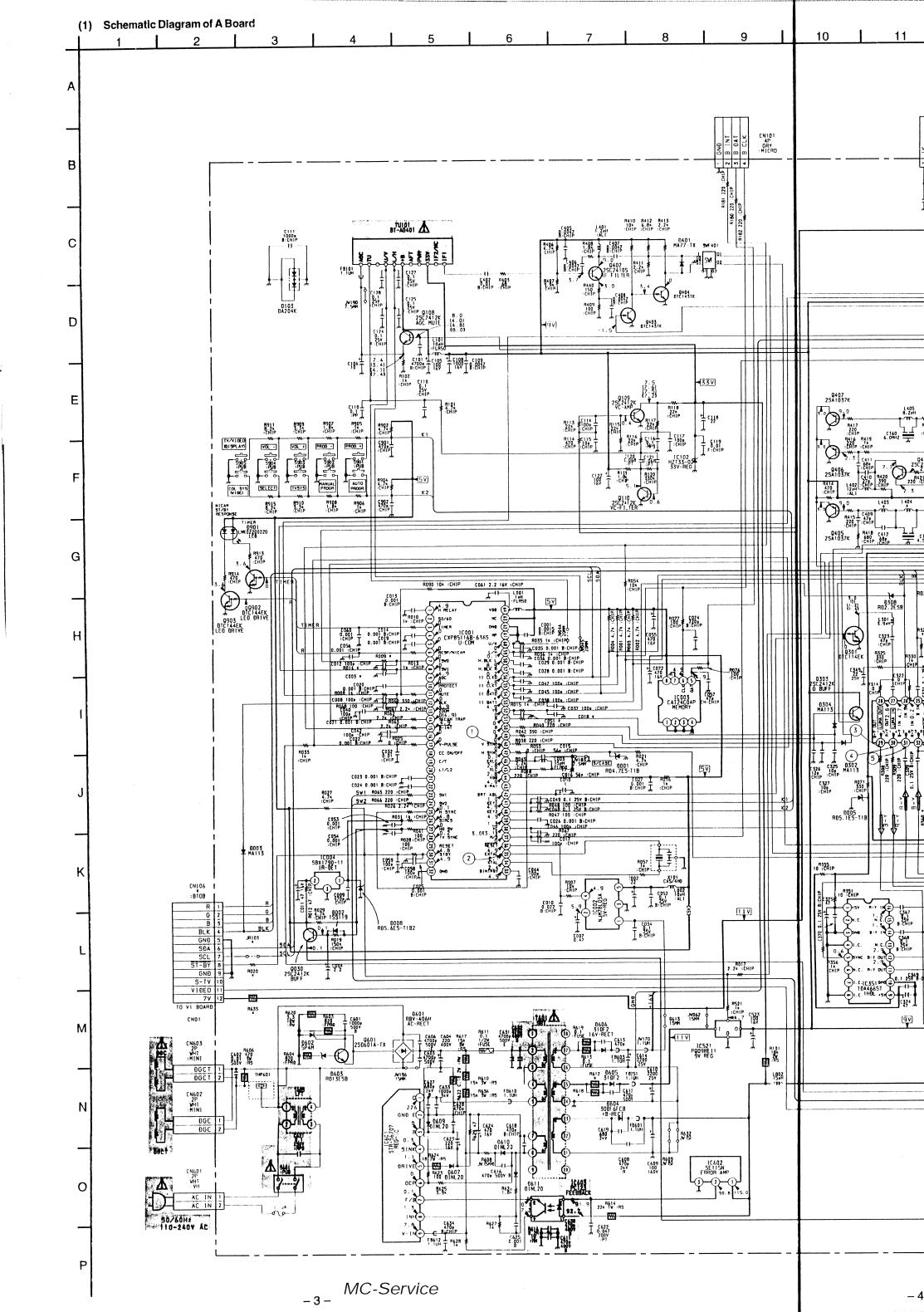
4-392-004-11 CLIP

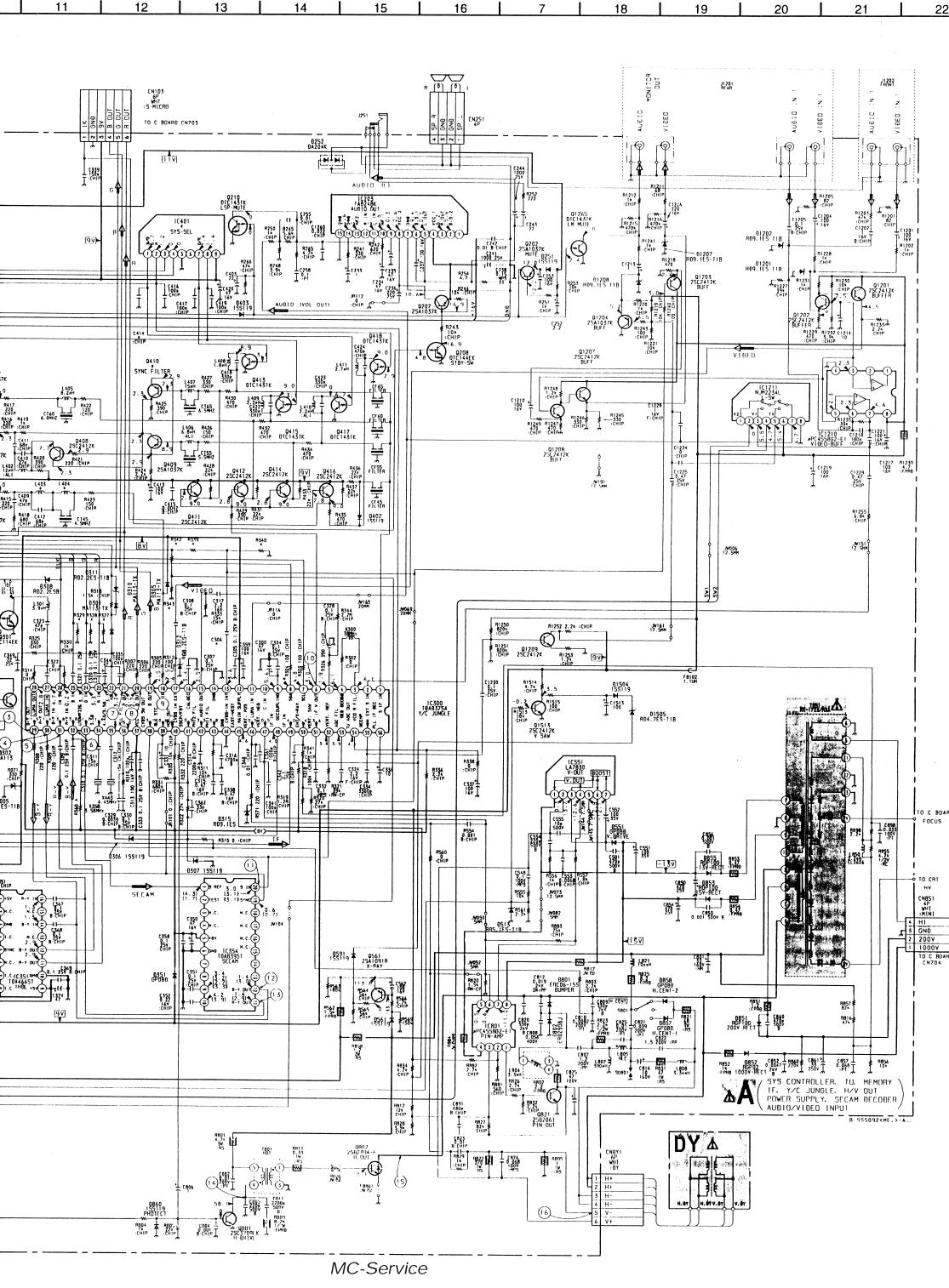
- 4-047-806-01 CUSHION (LOWER) (ASSY) (KV-G25M1)

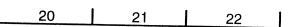
  \*4-047-806-01 CUSHION (LOWER) (ASSY) (KV-G25M1)
- \*4-047-808-01 INDIVIDUAL CARTON (KV-G25M1)

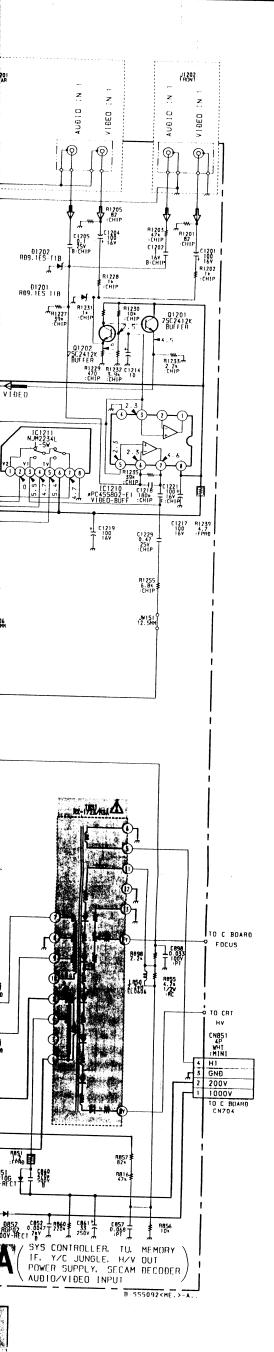
#### A BOARD WAVEFORMS







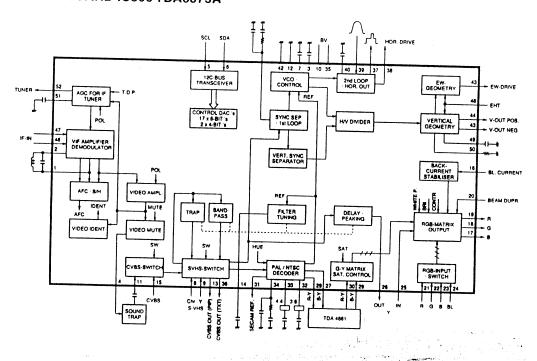




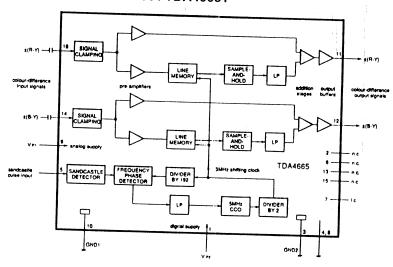
### A BOARD \* MARK LIST

	KV-G25M1	KV-G25M11
C018	100 :CHIP	NOT USED
C051	NOT USED	100p : CHIP
C306	0.1 25V :CHIP	0 :CHIP
CN106	NOT USED	12P :B TO B
JR103	NOT USED	0 :CHIP
R020	NOT USED	100 :CHIP
R327	0 :CHIP	150 :CHIP
R328	0 :CHIP	150 :CHIP
R329	0 :CHIP	150 :CHIP
R339	300 :CHIP	NOT USED
R340	270 :CHIP	NOT USED
R342	NOT USED	300 :CHIP
R343	NOT USED	270 :CHIP
R612	0.47 :FPRD	0.1 :FUSE
R618	NOT USED	0.1 :FUSE
R635	NOT USED	22 2W :RS

## A BOARD IC300 TDA8375A



## A BOARD IC351 TDA4665T

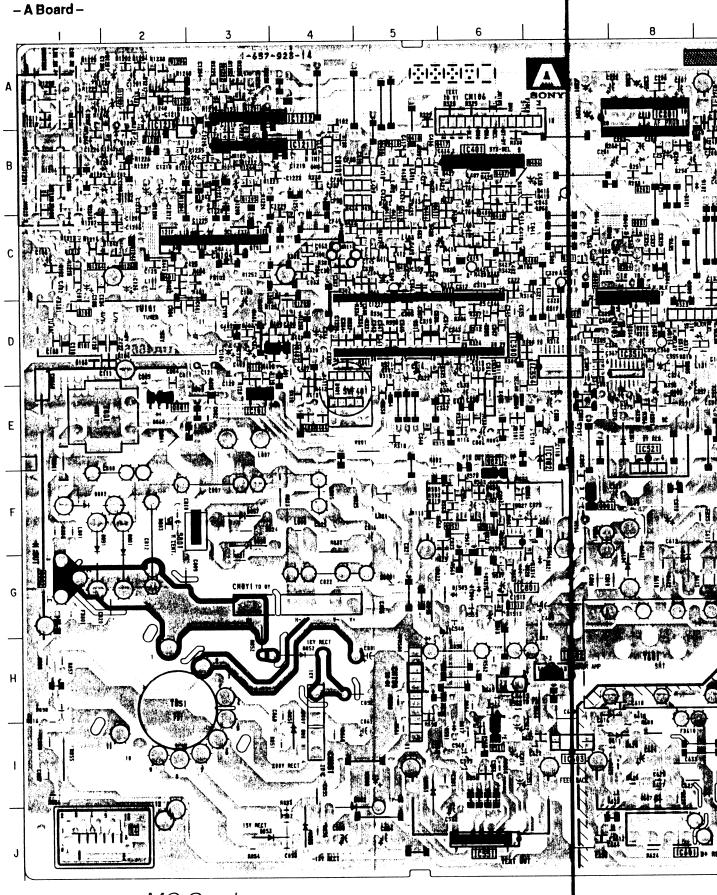


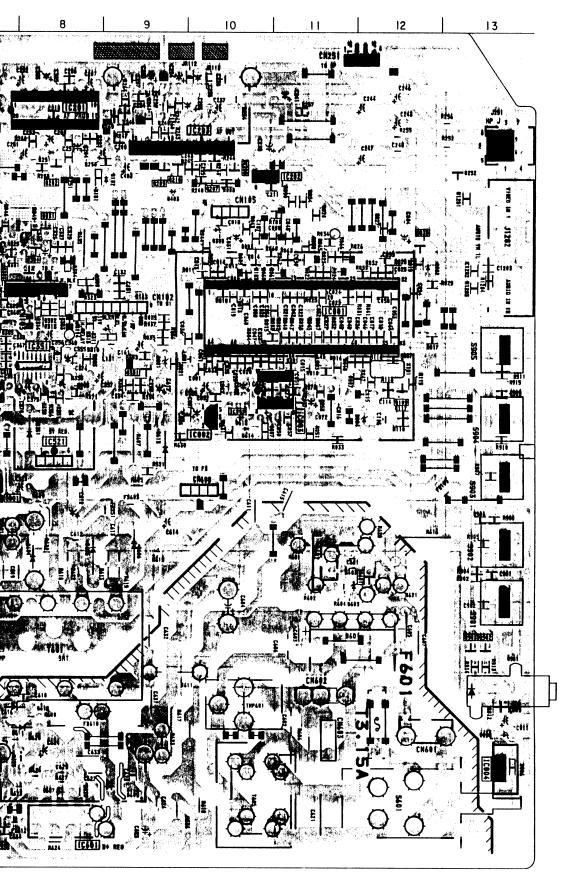
SYS CONTROLLER, TU, MEMORY, IF, Y/C JUNGLE, H/V OUT POWER SUPPLY, SECAM DECORDER, AUDIO/VIDEO INPUT

### PRINTED WIRING BOARD

A BUAND	Α	BOAF	1D
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A BOARD				
IC  IC001 D-11 IC002 E-10 IC003 E-11 IC004 I-13 IC005 E-10 IC101 E-3 IC102 E-7 IC201 A-8 IC202 B-10 IC203 B-10 IC300 D-6 IC351 D-8 IC354 D-7 IC401 B-6	Q821 Q902 Q903 Q1201 Q1202 Q1203 Q1204 Q1205 Q1206 Q1207 Q1208 Q1209 Q1264 Q1265 Q1513	F-6 H-13 H-13 A-3 A-2 B-3 A-2 B-4 C-1 C-2 G-6	D615 D801 D802 D820 D821 D851 D852 D853 D855 D857 D858 D860 D891 D901 D1201 D1202 D1203	E-10 F-2 F-1 G-6 H-4 H-3 J-4 F-3 F-3 E-1 H-13 A-2 B-2
IC521 E-8 IC551 J-6 IC601 J-8 IC602 H-7 IC603 I-7 IC801 G-6 IC1210 A-2 IC1211 B-3 IC1212 A-3	DIO D001 D002 D003 D004 D005 D006 D007 D008	D-9 C-12 C-10 E-12 E-8 I-13 E-10 I-13	D1203 D1204 D1205 D1206 D1207 D1208 D1209 D1504 D1505	A-2 B-2 B-2 B-2 B-2 B-3 G-6 G-6
TRANSISTOR	D101 D102	B-8 B-9		
Q001 F-7 Q030 C-12 Q031 C-8 Q108 D-1 Q109 E-12 Q110 D-3 Q202 B-8 Q207 B-10 Q208 B-10 Q209 B-9 Q210 B-9 Q301 C-7 Q302 D-7 Q303 C-7 Q304 C-8 Q351 D-9 Q401 C-2 Q402 D-4 Q403 E-4 Q405 C-5 Q406 B-6 Q407 B-6 Q408 C-6 Q409 C-6 Q409 C-6 Q410 B-6 Q411 B-5 Q412 C-5 Q413 B-5 Q414 C-5 Q415 B-5 Q415 B-5 Q416 C-5 Q417 B-5 Q418 B-6	D103 D251 D252 D301 D302 D303 D304 D305 D306 D307 D308 D309 D310 D311 D312 D313 D314 D315 D351 D401 D402 D403 D513 D551 D561 D562 D581 D562 D581 D601 D602 D603 D604 D605 D605 D606 D607 D609 D610 D611 D613 D614	D-1 B-1 B-13 C-7 B-10 C-7 B-10 C-10 C-10 C-10 C-10 C-10 C-10 C-10 C		





MC-Service



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

## SECTION 9 **ELECTRICAL PARTS LIST**



#### NOTE:

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

- The components identified by  $\blacksquare$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- RESISTORS • All resistors are in ohms
- F: nonflammable

When indicating parts by reference number, please include the board name.

- CAPACITORS PF : μμ F
- · There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

• F : nonnammable											
REF. NO.	PART NO.	DESCRIPTION		R	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
	* A-1297-773-A	A BOARD, CO!		CV-G25N	м11)	C051	1-163-117-00	CERAMIC CHIP	100PF	5%	50 <b>V</b> V-G25M11)
						C052	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
	* A-1297-768-A	A BOARD, CO	MPLETE (F	CV-G25N	<b>v</b> (1)	C053		CERAMIC CHIP		10%	50 <b>V</b>
		*****	***			C055	1-126-941-11	ELECT	470MF	20%	16 <b>V</b>
	* 4 500 500 44	GOVERNOR DE	M (DM) (D			0054	1 162 000 11	CED LANG CHIE	0.0013.45	100	****
		CONNECTOR PI	N (DY) 6P			C056 C057		CERAMIC CHIP		10%	50 <b>V</b>
		HOLDER, FBT SCREW (M3X10)	D SW(T)	`		C057		CERAMIC CHIP CERAMIC CHIP		5% 5%	50 <b>V</b> 50 <b>V</b>
		SCREW (MSXIO				C059		CERAMIC CHIP		5%	50 <b>V</b>
	7-003-040-77	JCKEW /BVII	,,,,,,	22 11 3		C060		CERAMIC CHIP		10%	50 <b>V</b>
		<capacitor></capacitor>				C061		CERAMIC CHIP			16 <b>V</b>
		CDD 11 (16 CIVID	0.001.53.55	100	5011	C072	1-126-941-11		470MF	20%	16 <b>V</b>
C001		CERAMIC CHIP			50V 50V	C074 C101		CERAMIC CHIP		10%	50 <b>V</b>
C002 C003	1-126-965-11	CERAMIC CHIP	22MF	20% 5%	50 <b>V</b>	C101	1-103-029-11	CERAMIC CHIP	100MF	20%	50 <b>V</b> 16 <b>V</b>
C003	1-126-961-11		2.2MF	20%	50 <b>V</b>	C103	1-104-005-11	LLLC I	1001411	20 /6	10 ♥
C007	1-124-902-00		0.47MF	20%	50V	C106	1-124-907-11	ELECT	10MF	20%	50 <b>V</b>
						C108	1-126-942-61		1000MF	20%	16 <b>V</b>
C008		CERAMIC CHIP		5%	50V	C109		CERAMIC CHIP			50 <b>V</b>
C009		CERAMIC CHIP		5%	50V	C110	1-136-165-00		0.1MF	5%	50 <b>V</b>
C010		CERAMIC CHIP		10% 20%	50V	C111	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50 <b>V</b>
C011 C012	1-126-967-11	CERAMIC CHIP	47MF	20% 5%	16V 50V	C114	1-163-117-00	CERAMIC CHIP	100PE	5%	50 <b>V</b>
C012	1-105-117-00	CERMINE CITI	10011	370	501	C115		CERAMIC CHIP		5%	50 <b>V</b>
C013	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C116	1-136-165-00		0.1MF	5%	50 <b>V</b>
C014		<b>CERAMIC CHIP</b>		10%	50V	C117		CERAMIC CHIP		5%	50 <b>V</b>
C015	1-101-884-00		56PF	5%	50V	C118	1-126-965-11	ELECT	22MF	20%	50 <b>V</b>
C016	1-101-884-00		56PF	5%	50V						
C017	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C119 C120	1-163-059-00	CERAMIC CHIP		E 01	50 <b>∨</b> 50 <b>∨</b>
C018	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C120	1-130-493-00		0.068MF 0.068MF	5% 5%	50 <b>V</b>
C010	1-103-117-00	CERTAINIC CITI	10011		/-G25M11)		1-104-665-11		100MF	20%	16 <b>V</b>
C019	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C124		CERAMIC CHIP		10%	25 <b>V</b>
C020		CERAMIC CHIP		10%	50V						
C021		CERAMIC CHIP		10%	50V	C125		CERAMIC CHIP		10%	25 🗸
C022	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50 <b>V</b>	C127 C128		CERAMIC CHIP		10% 10%	25 <b>V</b> 25 <b>V</b>
C023	1-163-000-11	CERAMIC CHIP	0.001ME	10%	50V	C233	1-103-077-00		1MF	20%	50 <b>V</b>
C024		CERAMIC CHIP		10%	50V	C234	1-126-967-11		47MF	20%	16
C025		CERAMIC CHIP		10%	50V				.,,,,,,	-07-	
C026		CERAMIC CHIP		10%	50 <b>V</b>	C235	1-126-967-11		47MF	20%	16 <b>∨</b>
<b>C</b> 027	1-163-009-11	CERAMIC CHIP	0.001 <b>MF</b>	10%	50V	C236	1-126-968-11		100MF	20%	35 <b>V</b>
C028	1 162 000 11	CERAMIC CHIP	0.001100	10%	50V	C237 C238	1-104-665-11 1-136-167-00		100MF 0.15MF	20% 5%	16 <b>V</b> 50 <b>V</b>
C029		CERAMIC CHIP		10%	50V	C238	1-126-942-61		1000MF	20%	25~
C034		CERAMIC CHIP		10%	25V	02.1	1 120 7 12 01	BBBC!	10001111	2070	25 4
C035		<b>CERAMIC CHIP</b>		10%	50V	C242	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50~
C036	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50 <b>V</b>	C243	1-128-551-11		22MF	20%	25~
<b>5</b> 007	1 1 (2 1 1 7 0 0	GED ANG GUID	100 <b>DE</b>	F.07	5011	C244	1-126-942-61		1000MF	20%	25 🗸
C037 C038		CERAMIC CHIP CERAMIC CHIP		5% 5%	50V 50V	C253 C255	1-104-665-11	CERAMIC CHIP	100MF	20% 10%	16 <b>V</b> 50 <b>V</b>
C040		CERAMIC CHIP		5%	50 <b>V</b>	C233	1-104-232-11	CERAMIC CHIP	U.UIWIF	10%	30 <b>•</b>
C042		CERAMIC CHIP		5%	50V	C258	1-130-495-00	MYLAR	0.1MF	5%	50~
C044		CERAMIC CHIP		5%	50V	C300	1-126-967-11	ELECT	47MF	20%	16~
~					#0¥4	C304		CERAMIC CHIP		10%	25~
C045		CERAMIC CHIP		5%	50V	C305		CERAMIC CHIP		10%	25 🗸
C046 C047		CERAMIC CHIP CERAMIC CHIP		5% 5%	50V 50V	C306	1-104-004-11	CERAMIC CHIP	U.IMP	10%	25 <b>♥</b> (V: <b>G</b> 25M1)
C047		CERAMIC CHIP		10%	25V					(1)	23MI)
C049		CERAMIC CHIP		10%	25V	C306	1-216-295-91	CONDUCTOR, C	HIP (KV-G	25M11)	)
						C307	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25~
C050	1-124-903-11	ELECT	1MF	20%	50 <b>V</b>	C308	1-164-004-11	CERAMIC CHIP	0.1 <b>MF</b>	10%	25~

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Les composants identifies par une trame et une marque  $\triangle$ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The componants identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

						piece portant le n	umero specifie.	specified.		
REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C309 C310		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF			C424 C501 C523	1-163-133-00 1-102-228-00 1-104-665-11		470PF 470PF 100MF	5% 10% 20%	50V 500V 16V
C311 C312		CERAMIC CHIP 15PF CERAMIC CHIP 15PF	5% 5%	50V 50V	C548	1-106-220-00	MYLAR	0.1MF	10%	100V
C313 C314 C315		ELECT 100MF CERAMIC CHIP 0.0022 CERAMIC CHIP 0.47M	MF 10%	50V	C551 C552 C553	1-126-968-11 1-126-968-11 1-163-019-00		100MF 100MF 0.0068ME	20% 20% 10%	35V 35V 50V
C316	1-102-125-00	CERAMIC 0.0047	MF 10%		C554 C555	1-102-244-00 1-101-804-00	CERAMIC	220PF 10PF	10% 5%	500V 500V
C317 C319	1-164-004-11	CERAMIC CHIP 2.2MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	10%		C562 C601	1-104-665-11 1-162-318-11		100MF 0.001MF	20% 10%	16V 500V
C320 C321		CERAMIC CHIP 0.1MF			C602 C603	1-102-050-00 1-161-830-00	CERAMIC	0.001MF 0.0047MF	1070	500V 500V
C322 C323 C324	1-163-243-11	CONDUCTOR, CHIP CERAMIC CHIP 47PF CERAMIC CHIP 2.2MF	5%	50V 16V	C604 C606	1-113-608-11 1-161-830-00	CERAMIC	470MF 0.0047MF	20%	400V 500V
C325 C326	1-163-093-00	CERAMIC CHIP 10PF CERAMIC CHIP 12PF	5% 5%	50 <b>V</b> 50 <b>V</b>	C608 C609	1-104-332-11 1-124-347-00	CERAMIC ELECT	470PF 100MF	10% 20%	2KV 160V
C327 C328		CERAMIC CHIP 10PF CERAMIC CHIP 0.1MF	5% 10%	50V 25V	C610 C611	1-126-943-11 1-104-985-51		2200MF 470PF	20% 10%	25V 400V
C329 C330	1-163-016-00	CERAMIC CHIP 0.0039 CERAMIC CHIP 0.1MF	MF 10%	50V 25V	C612 C613	1-102-228-00 1-102-824-00	CERAMIC	470PF 470PF	10% 5%	500V 50V
C331 C332	1-124-907-11 1-136-165-00		20% 5%	50V 50V	C614 C616 C618	1-126-943-11 1-102-228-00 1-163-005-11		2200MF 470PF 470PF	20% 10% 10%	25V 500V 50V
C333 C334	1-164-004-11 1-164-182-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0033	10% MF 10%	25V 50V	C619	1-162-116-00	CERAMIC	680PF	10%	2KV
C335 C336	1-102-973-00 1-124-907-11		5% 20%	50V 50V	C621 Z C622 C623	1-104-705-51 1-106-383-00 1-124-120-11	MYLAR	0.1MF 0.047MF 220MF	20% 10% 20%	250V 200V 16V
C337 C338		CERAMIC CHIP 0.47M	F 10%	16V	C624	1-126-942-61	ELECT	1000MF	20%	16V
C339 C340 C341	1-163-009-11	CERAMIC CHIP 150PF CERAMIC CHIP 0.001M CERAMIC CHIP 100PF	MF 10%	50V 50V 50V	C625 C627 C630	1-102-074-00 1-162-116-00 1-104-985-51	CERAMIC	0.001MF 680PF 470PF	10% 10% 10%	50V 2KV 400V
C342	1-164-004-11	CERAMIC CHIP 0.1MF	10%		C631 C632	1-161-830-00 <u>1-104-985-51</u>		0.0047MF 470PF	10%	500V 400V
C344 C349 C350	1-126-963-11 1-128-551-11 1-126-967-11	ELECT 22MF	20% 20% 20%	25V	C633 C634	1-161-754-00 1-163-005-11	CERAMIC CERAMIC CHIP	0.001MF 470PF	10% 10%	3KV 50V
C351 C352		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22M			C801 C802 C804	1-123-024-21 1-106-367-00		33MF 0.01MF 0.001ME	10% 10%	160V 200V 50V
C358 C359	1-164-004-11 1-104-665-11	CERAMIC CHIP 0.1MF ELECT 100MI	F 10%	25V 16V	C805	1-102-244-00	CERAMIC	220PF	10%	500V
C361 C362		CERAMIC CHIP 0.0011 CERAMIC CHIP 22PF	MF 10% 5%	50V 50V	C806 C807 C808	1-124-903-11 1-136-540-11 1-130-895-00	FILM	1MF 0.82MF 0.056MF	20% 5% 10%	50V 200V 400V
C367 C368	1-164-004-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	10%	5 25V	C809	1-162-115-00	CERAMIC	330PF	10%	2KV
C369 C370 C374		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF ELECT 47MF		5 25 <b>V</b>	C810 C811 C812	1-106-365-00 1-162-318-11 1-136-617-11	CERAMIC	0.0082MF 0.001MF 0.019MF	10% 3%	200V 500V 2KV
C375	1-124-910-11	ELECT 47MF	20%	50V	C816 C820	1-123-947-00 1-162-115-00	ELECT	10MF 330PF	20% 10%	160V 2KV
C402 C403 C405	1-126-965-11	CERAMIC CHIP 0.01 M ELECT 22MF CERAMIC CHIP 0.004	20%	6 50V	C821 C822	1-106-391-12 1-136-541-11		0.1MF 1.5MF	10% 5%	200V 200V
C406	1-163-017-00	CERAMIC CHIP 0.004	7MF 10%	6 50V	C823 C825	1-164-232-11 1-106-367-00	CERAMIC CHIP MYLAR	0.01MF 0.01MF	10% 10%	50V 200V
C407 C408 C409	1-163-017-00	CERAMIC CHIP 0.004 CERAMIC CHIP 0.004 CERAMIC CHIP 47PF			C850 C852	1-124-480-11 1-104-574-11	CERAMIC	470MF 0.0047MF	20% 10%	25V 2KV
C410 C411	1-163-103-00	CERAMIC CHIP 27PF CERAMIC CHIP 68PF	5% 5%	50V 50V	C853 C854	1-162-318-11 1-124-480-11 1-162-318-11	CERAMIC ELECT	0.001MF 470MF 0.001MF	10% 20% 10%	500V 25V 500V
C412 C413	1-104-665-1	CERAMIC CHIP 68PF 1 ELECT 100M		6 16V	C856 C857	1-136-165-00	FILM	0.1 <b>MF</b>	5%	50 <b>V</b>
C414 C415 C416	1-163-117-0 1-163-017-0	CERAMIC CHIP 100PF CERAMIC CHIP 0.004	7MF 10%	50V 6 50V	C860 C861 C875	1-102-228-00 1-107-654-11 1-124-910-11	ELECT	470PF 33MF 47MF	10% 20% 20%	500V 250V 50V
C417		O CERAMIC CHIP 100PF O CERAMIC CHIP 100PF		50V	C876 C891	1-108-702-11		0.068MF	10% 10% 10%	100V 50V
C418 C419 C420	1-163-129-0 1-163-117-0	O CERAMIC CHIP 330PI O CERAMIC CHIP 100PI	5% 5%	50V	C898 C901	1-108-702-11	MYLAR CERAMIC CHIP	0.068MF	10% 5%	100 <b>V</b> 50 <b>V</b>
C422	1-126-967-1 1-163-129-0	1 ELECT 47MF 0 CERAMIC CHIP 330PI	5%	50V	C902 C1201	1-163-133-00 1-104-665-11	CERAMIC CHIP ELECT	470PF 100MF	5% 20%	50V 16V
C423	1-163-129-0	0 CERAMIC CHIP 330PI	5%	50 <b>V</b>	C1202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 <b>V</b>

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1204 C1205	1-104-665-11 1-164-004-11	CERAMIC CHIP		20% 10%	16V 25V	D561		DIODE 1SS119-25	
C1210 C1213 C1214	1-104-665-11 1-124-903-11 1-124-907-11	ELECT	100MF 1MF 10MF	20% 20% 20%	16V 50V 50V	D591 D601 D602	8-719-052-84	DIODE 1SS119-25 DIODE LN4SB60 THYRISTOR 5P6M	
C1217	1-104-665-11	ELECT	100MF	20%	16V	D603 D604	8-719-110-36	DIODE RD13ESB2 DIODE RU4DS	
C1218 C1219 C1221	1-104-665-11	CERAMIC CHIP ELECT CERAMIC CHIP	100MF	5% 20%	50V 16V 25V	D605 D606		DIODE S3L20UF4 DIODE S3L20UF4	
C1224 C1225	1-216-295-91	CONDUCTOR, C	CHIP		25V	D607 D609 D610	8-719-510-26	DIODE D1NL20-TA DIODE D1NL20-TA DIODE D1NL20-TA	
C1226 C1228	1-124-120-11 1-164-346-11	ELECT CERAMIC CHIP	220MF 1MF	20%	16V 16V	D611	8-719-510-26	DIODE D1NL20-TA	
C1229 C1230		CERAMIC CHIP CERAMIC CHIP		10%	25V 25V	D801 D802 D851	8-719-900-26	DIODE ERC06-15S DIODE ERD29-08J DIODE EL1Z	
C1260 C1513	1-163-037-11 1-124-122-11	CERAMIC CHIP ELECT	0.022MF 100MF	10% 20%	50V 50V	D852 D853		DIODE RGP02-17EL-643 DIODE EL1Z	3
		<filter></filter>				D855 D857	8-719-302-43 8-719-908-03	DIODE EL1Z DIODE GP08D	
CF45 CF55		FILTER, CERAM FILTER, CERAM				D858 D860		DIODE GP08D DIODE 1SS119-25	
CF60 CF65	1-567-100-00	FILTER, CERAM FILTER, CERAM	1IC			D891 D901 D1201	8-719-054-60	DIODE ERC06-15S DIODE LNK0220022G DIODE RD9.1ESL	
		<connector></connector>				D1202 D1207	8-719-121-24	DIODE RD9.1ESL DIODE RD9.1ESL	
		PLUG, CONNEC PLUG, CONNEC		IM) 4P		D1208 D1504		DIODE RD9.1ESL DIODE 1SS119-25	
		CONNECTOR, B PLUG, CONNEC			D 12P (V-G25M11)	D1505	8-719-109-81	DIODE RD4.7ESB2	
CN601	* 1-580-843-11	PIN, CONNECTO	OR (POWE	•				<fuse></fuse>	
CN603	*1-508-786-00	PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO	OR (5mm P	ITCH)	2P	FOUL A		FUSE, TIME-LAG (BET) CLIP, FUSE; F601	3,15A/25UV
		<trimmer></trimmer>						<ferrite bead=""></ferrite>	
CT45		TRAP, CERAMIO				FB101 FB102 FB251	1-410-397-21	FERRITE BEAD INDUCT FERRITE BEAD INDUCT FERRITE BEAD INDUCT	FOR 1.1UH
CT55 CT60 CT65	1-409-429-11	TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC	C	)		FB601 FB603	1-410-397-21	FERRITE BEAD INDUCT FERRITE BEAD INDUCT	FOR 1.1UH
		<diode></diode>				FB610 FB612		FERRITE BEAD INDUCT	
D001 D002		DIODE RD4.7ES DIODE 1SS119-2				FB801	1-410-397-21	FERRITE BEAD INDUCT	FOR 1.1UH
D003 D005	8-719-041-97 8-719-109-84	DIODE MA113-( DIODE RD5.1ES	TX) B1			**************************************	0.550.050.40	<ic></ic>	
D008 D103		DIODE RD5.6ES DIODE DA204K				IC001 IC002	* 4-049-131-01	IC CXP85116B-642S CASE (A), SHIELD; IC00 IC L78LR05D-MA	01
D251 D252 D301	8-719-914-42	DIODE 1SS119-2 DIODE DA204K DIODE MA113-(				IC003 IC004 IC102		IC CAT24C04P ELEMENT,RAY-CATCH IC uPC574J	ER SBX1790-11
D305	8-719-041-97	DIODE MA113-	TX)			IC203	8-759-336-30	IC TA8223K	
D306 D307 D308	8-719-911-19	DIODE 1SS119-2 DIODE 1SS119-2 DIODE RD2.2ES	25			IC300 IC351 IC354	8-759-288-85 8-759-251-56	IC TDA8375A IC TDA4665T-T IC TDA8395T	
D310 D311	8-719-041-97	DIODE MA113-( DIODE RD3.6ES	(TX)			IC401 IC521	8-759-800-65 8-759-195-63	IC LA7910 IC PO09RE11	
D312 D315	8-719-121-24	DIODE RD8.2ES				IC551 IC601	8-759-801-98 8-749-010-84	IC LA7830 IC STR-S6708	
D351 D399 D401	8-719-121-24	DIODE GP08D DIODE RD9.1ES DIODE MA77	SL					PHOTO COUPLER PC12	3F2
D402 D403	8-719-911-19	DIODE 1SS119-2				IC801 IC1210 IC1211	8-759-100-96	IC uPC4558G2 IC uPC4558G2 IC NJM2234L	
D513 D551	8-719-109-84	DIODE RD5.1ES DIODE GP08D					2 . U		



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	,	REMARK
		<jack></jack>		Q801	8-729-140-96	TRANSISTOR 2SD774-34		
J251 J1201 J1202		JACK BLOCK, PIN 4P JACK BLOCK, PIN 2P		Q802 Q821 Q902 Q903 Q1201	8-729-018-99 8-729-421-19 8-729-421-19	TRANSISTOR 2SC4927-0 TRANSISTOR 2SD2394-F TRANSISTOR UN2213 TRANSISTOR UN2213 TRANSISTOR 2SD601A-Q		
JR101 JR103 JR112 JR116	1-216-295-91 1-216-295-91	CHIP CONDUCTOR> CONDUCTOR, CHIP CONDUCTOR, CHIP (KV-G25M1 CONDUCTOR, CHIP CONDUCTOR, CHIP	1)	Q1202 Q1203 Q1204 Q1207 Q1208	8-729-422-27 8-729-216-22 8-729-422-27	TRANSISTOR 2SD601A-C TRANSISTOR 2SD601A-C TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-C TRANSISTOR 2SD601A-C	<u>.</u>	
		<coil></coil>		Q1209 Q1265 Q1513	8-729-424-67	TRANSISTOR 2SD601A-Q TRANSISTOR UN2216 TRANSISTOR 2SD601A-Q	•	
L001 L002 L003 L101 L301	1-410-509-11 1-408-411-00 1-410-470-11	INDUCTOR 1UH INDUCTOR 10UH INDUCTOR 15UH INDUCTOR 10UH INDUCTOR 3.9UH		R001		<resistor> METAL GLAZE 4.7K</resistor>	5%	1/10 <b>W</b>
L401 L402 L403 L404	1-410-498-11 1-410-510-11 1-410-510-11	INDUCTOR 1.2UH INDUCTOR 12UH INDUCTOR 12UH INDUCTOR 8.2UH		R002 R003 R004 R007	1-216-065-00 1-216-065-00 1-216-065-00	METAL GLAZE 4.7K METAL GLAZE 4.7K METAL GLAZE 4.7K METAL GLAZE 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
L405 L406 L407 L408	1-410-507-11 1-410-511-11 1-410-500-11	INDUCTOR 8.2UH INDUCTOR 6.8UH INDUCTOR 1.8UH INDUCTOR 1.8UH		R008 R009 R010 R012 R013	1-216-049-91 1-216-049-91 1-216-017-91	METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 47 METAL GLAZE 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L409 L410 L411 L802 L804	1-410-501-11 1-410-502-11 1-412-527-11	INDUCTOR 2.2UH INDUCTOR 2.2UH INDUCTOR 2.7UH INDUCTOR 15UH COIL,DYNAMIC CONVERSION O	THOKE	R014 R015 R016 R017 R018	1-216-043-91 1-216-049-91 1-216-057-00	METAL GLAZE 1K METAL GLAZE 560 METAL GLAZE 1K METAL GLAZE 2.2K METAL GLAZE 220	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L805 L807	1-459-907-11	COIL, HORIZONTAL LINEARITY COIL (WITH CORE)		R019 R020	1-216-101-00	METAL GLAZE 150K METAL GLAZE 100	5% 5%	1/10W 1/10W
L808 L821 L850	1-459-111-00	INDUCTOR 3.3mH COIL, DRAM CORE (CDI) INDUCTOR 2.2mH		R021 R025 R027	1-216-065-00 1-216-057-00	METAL GLAZE 4.7K METAL GLAZE 2.2K METAL GLAZE 4.7K		7-G25M11) 1/10W 1/10W 1/10W
		<transistor></transistor>		R028 R029		METAL GLAZE 100 METAL GLAZE 4.7K	5% 5%	1/10W 1/10W
Q030 Q108 Q109 Q110 Q202	8-729-422-27 8-729-422-27 8-729-422-27	TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SA1162-G		R031 R033 R035	1-216-049-91 1-216-049-91 1-216-049-91	METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 1K	5% 5% 5%	1/10 <b>W</b> 1/10 <b>W</b> 1/10 <b>W</b>
Q207 Q208 Q210	8-729-216-22 8-729-421-19 8-729-424-67	TRANSISTOR 2SA1162-G TRANSISTOR UN2213 TRANSISTOR UN2216		R038 R040 R041 R042	1-216-033-00 1-216-033-00 1-216-025-91	METAL GLAZE 220 METAL GLAZE 220 METAL GLAZE 100 METAL GLAZE 390	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q301 Q303 Q402	8-729-422-27	TRANSISTOR UN2211 TRANSISTOR 2SD601A-Q		R045 R047	1-216-025-91	METAL GLAZE 2.2K METAL GLAZE 100	5% 5%	1/10W 1/10W
Q402 Q403 Q404 Q405	8-729-424-67 8-729-424-67	TRANSISTOR 2SC2410SN TRANSISTOR UN2216 TRANSISTOR UN2216 TRANSISTOR 2SA1162-G		R048 R053 R054	1-216-057-00	METAL GLAZE 100 METAL GLAZE 2.2K METAL GLAZE 10K	5% 5% 5%	1/10 <b>W</b> 1/10 <b>W</b> 1/10 <b>W</b>
Q406 Q407 Q408	8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-Q		R057 R060 R061 R062	1-216-037-00 1-216-057-00	METAL GLAZE 1K METAL GLAZE 330 METAL GLAZE 2.2K METAL GLAZE 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
Q409 Q410 Q411	8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-Q		R063 R065	1-216-057-00 1-216-033-00	METAL GLAZE 2.2K METAL GLAZE 220	5% 5%	1/10W 1/10W
Q412 Q413 Q414 Q415	8-729-424-67 8-729-422-27 8-729-424-67	TRANSISTOR 2SD601A-Q TRANSISTOR UN2216 TRANSISTOR 2SD601A-Q TRANSISTOR UN2216		R066 R067 R068 R071	1-216-033-00 1-216-025-91 1-216-037-00	METAL GLAZE 220 METAL GLAZE 220 METAL GLAZE 100 METAL GLAZE 330	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
Q416 Q417 Q418 Q561 Q601	8-729-424-67 8-729-424-67 8-729-200-17	TRANSISTOR 2SD601A-Q TRANSISTOR UN2216 TRANSISTOR UN2216 TRANSISTOR 2SA1091-O TRANSISTOR 2SD601A-Q		R076 R077 R090 R101 R102	1-216-025-91 1-216-073-00 1-216-065-00	METAL GLAZE 100 METAL GLAZE 100 METAL GLAZE 10K METAL GLAZE 4.7K METAL GLAZE 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W



REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		]	REMARK
R113		METAL GLAZE 22K METAL GLAZE 470	5% 5%	1/10W 1/10W	R344	1-216-129-00	METAL GLAZE	2.2M	5%	1/ <b>10W</b>
R114 R115	1-216-081-00	METAL GLAZE 22K	5%	1/10W 1/10W 1/10W	R351 R355		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R116 R117	1-216-081-00	METAL GLAZE 22K METAL GLAZE 22K	5% 5%	1/10W	R356	1-216-049-91	METAL GLAZE	1 K	5%	1/ <b>10W</b>
R118	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R360 R403		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R119 R120		METAL GLAZE 1.8K METAL GLAZE 330K	5% 5%	1/10W 1/10W	R406	1-216-065-00	METAL GLAZE	4.7K	5%	1/ <b>10W</b>
R131 R180		METAL OXIDE 18K METAL GLAZE 220	5% 5%	2W F 1/10W	R407 R408		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R181		METAL GLAZE 220	5%	1/10W	R409 R410	1-216-025-91	METAL GLAZE METAL GLAZE	100	5% 5%	1/10W 1/10W
R182 R241	1-216-033-00	METAL GLAZE 220 METAL GLAZE 330	5% 5%	1/10W 1/10W	R411		METAL GLAZE		5%	1/10W
R242	1-216-044-00	METAL GLAZE 620	5%	1/10W 1/10W	R412 R413	1-216-069-00	METAL GLAZE METAL GLAZE	6.8 <b>K</b>	5% 5%	1/10W 1/10W
R243		METAL GLAZE 10K	5%		R414	1-216-041-00	METAL GLAZE	470	5%	1/10W
R244 R245	1-216-067-00	METAL GLAZE 10K METAL GLAZE 5.6K	5% 5%	1/10W 1/10W	R415		METAL GLAZE		5%	1/10W
R248 R250	1-216-049-91	METAL GLAZE 3.9K METAL GLAZE 1K	5% 5%	1/10W 1/10W	R416 R417	1-216-033-00	METAL GLAZE METAL GLAZE	220	5% 5%	1/10W 1/10W
R251	1-216-295-91	CONDUCTOR, CHIP			R418 R419	1-216-049-91	METAL GLAZE METAL GLAZE	1 <b>K</b>	5% 5%	1/10W 1/10W
R252 R253	1-249-411-11 1-216-073-00	CARBON 330 METAL GLAZE 10K	5% 5%	1/4W 1/10W	R420	1-216-039-00	METAL GLAZE	390	5%	1/10W
R254 R265	1-249-389-11		5% 5%	1/4W 1/10W	R421 R422		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R266		METAL GLAZE 47K	5%	1/10W	R423 R424	1-216-029-00	METAL GLAZE METAL GLAZE	150	5% 5%	1/ <b>1</b> 0W 1/ <b>1</b> 0W
R302		CONDUCTOR, CHIP METAL GLAZE 100	5%	1/10W	R425		METAL GLAZE		5%	1/1 OW
R303 R304	1-216-025-91	METAL GLAZE 100	5%	1/10 <b>W</b>	R426		METAL GLAZE		5%	1/ <b>1</b> OW 1/ <b>1</b> OW
R305 R306		METAL GLAZE 100 METAL GLAZE 100	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>	R427 R428	1-216-081-00	METAL GLAZE METAL GLAZE	22K	5% 5%	1/ <b>1</b> OW
R307		METAL GLAZE 100	5%	1/10 <b>W</b>	R429 R430		METAL GLAZE METAL GLAZE		5% 5%	1/ <b>1</b> OW 1/ <b>1</b> OW
R308 R309		METAL GLAZE 220 METAL GLAZE 220	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>	R431		METAL GLAZE		5%	1/1 OW
R310 R311		METAL GLAZE 100K METAL GLAZE 12K	5% 5%	1/10W 1/10W	R432 R433		METAL GLAZE METAL GLAZE		5% 5%	1/1 0W 1/1 0W
R312		METAL GLAZE 100	5%	1/10W	R434 R435		METAL GLAZE METAL GLAZE		5% 5%	1/1 OW 1/1 OW
R313 R314		METAL GLAZE 47K CONDUCTOR, CHIP	5%	1/10 <b>W</b>	R436	1-216-081-00	METAL GLAZE	22K	5%	1/1 OW
R315 R318	1-216-295-91	CONDUCTOR, CHIP METAL GLAZE 120K	5%	1/10W	R437 R440		METAL GLAZE METAL GLAZE		5% 5%	1/1 OW 1/1 OW
R319		METAL GLAZE 1.2M	5%	1/10 <b>W</b>	R521 R552	1-216-049-91	METAL GLAZE METAL GLAZE	1K	5% 5%	1/ <b>1</b> OW 1/ <b>1</b> OW
R320 R321	1-216-083-00	METAL GLAZE 27K METAL CHIP 39K	5% 0.50%	1/10 <b>W</b>	R553		METAL GLAZE		5%	1/ <b>1</b> OW
R322 R325	1-216-083-00	METAL GLAZE 27K METAL GLAZE 330	5% 5%	1/10W 1/10W	R554 R555		CERAMIC CHIP		10% 5%	50 <b>V</b> 1/4 W
R326		METAL GLAZE 390	5%	1/10W	R556 R557	1-216-049-91	METAL GLAZE METAL GLAZE	1 <b>K</b>	5% 5%	1/1 OW 1/1 OW
R327		METAL GLAZE 150	5%	1/10W (V-G25M11)			CONDUCTOR, C		370	1,1011
R327		CONDUCTOR, CHIP (KV-0) METAL GLAZE 150			R561 R562	1-249-421-11 1-249-420-11	CARBON	2.2K 1.8K	5% 5%	1/4W 1/4W F
R328			(K	(V-G25M11)	R563	1-247-885-00		180 <b>K</b>	5% 5%	1/4 W 1/1 OW
R328		CONDUCTOR, CHIP (KV-0)  METAL GLAZE 150	5%	) 1/10W	R564 R565		METAL GLAZE		5%	1/1 OW
R329			(K	(V-G25M11)	R566	1-216-065-00	METAL GLAZE	4.7K	5%	1/1 0W 1/4-W
R329 R330	1-216-049-91	CONDUCTOR, CHIP (KV-	5%	1/10W	R569 R570		CONDUCTOR, C		5%	
R331 R332		) METAL GLAZE 560K ) METAL GLAZE 220	5% 5%	1/10W 1/10W	R571		METAL GLAZE		5%	1/1 OW
R333		METAL GLAZE 15K	5%	1/10W	R603 R604	1-249-416-11 1-249-416-11	CARBON	820 820	5% 5%	1/4-W F
R335 R336	1-216-057-00	) METAL GLAZE 10K ) METAL GLAZE 2.2K	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>	R606 R610	1-215-924-00	METAL OXIDE METAL OXIDE	15K	5% 5%	3W F
R338 R339		CONDUCTOR, CHIP  METAL GLAZE 300	5%	1/10 <b>W</b>	R611	1-202-933-61		0.1	10%	1/2W F
			,	KV-G25M1)		1-219-134-11		0.1		1/4W V-G25M11)
R340	1-216-035-00	) METAL GLAZE 270		1/10W KV-G25M1)		1-249-377-11		0.47		1/ <b>4W</b> F CV-G25M1)
R341 R342		METAL GLAZE 1K METAL GLAZE 300	5% 5%	1/10W 1/10W	R613 R614	1-219-134-11 1-215-877-11	FUSIBLE METAL OXIDE		10% 5%	/ <b>4</b>  W  V <b>∀</b> F
R343		) METAL GLAZE 270		(V-G25M11) 1/10W		1-249-389-11		4.7	5%	1/4W
-			(K	(V-G25M11)	i					



Les composants identifies par une trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

							piece portant le n		specified.		
REF. NO.	PART NO.	DESCRIPTION		]	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R616 /	1-218-265-91	METAL	8.2M	5%	1W	R1206	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R617		METAL OXIDE		5%	3W F	R1211		METAL GLAZE		5%	1/10W
R618	1-219-134-11	FUSIBLE	0.1	10% (K)	1/4W V-G25M11)	R1212	1-216-049-91	METAL GLAZE	1K	5%	1/10 <b>W</b>
R619	1-219-134-11	FUSIBLE	0.1	10%	1/4W	R1215	1-216-113-00	METAL GLAZE	470 <b>K</b>	5%	1/10W
R620	1-202-962-11	WIREWOUND	3.3	5%	10 <b>W</b>	R1216		METAL GLAZE		5%	1/10W
R622	1-217-191-21	WIREWOUND	0.18	10%	2W F	R1218 R1219		METAL GLAZE METAL GLAZE		5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
R623	1-247-807-31		100	5%	1/4W	R1220		METAL GLAZE		5%	1/10W
R624		METAL OXIDE		5%	2W F	D 1221	1 216 072 00	METAL CLAZE	1012	501	1/10W
R625 R626	1-249-424-11 1-249-420-11			5% 5%	1/4W 1/4W	R1221 R1227		METAL GLAZE METAL GLAZE		5% 5%	1/10W
						R1228	1-216-049-91	METAL GLAZE	1 <b>K</b>	5%	1/10W
R627 R628	1-249-417-11			5% 5%	1/4W 1/4W	R1229 R1230		METAL GLAZE METAL GLAZE		5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
R629	1-249-417-11 1-249-401-11			5%	1/4W	K1230	1-210-073-00	METAL GLAZE	IUK	370	1/10**
R632	1-249-381-11	CARBON	1	5%	1/4W	R1231		METAL GLAZE		5%	1/10W
R635	1-215-882-00	METAL OXIDE	22	5% (K)	2W F V-G25M11)			METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
				(12	V-025W111)	R1235		METAL GLAZE		5%	1/10 <b>W</b>
R636		METAL OXIDE		5%	3W F	R1239	1-249-389-11	CARBON	4.7	5%	1/4W F
R801 R802	1-215-920-11	METAL OXIDE		5% 5%	3W F	R1240	1-216-025-91	METAL GLAZE	.100	5%	1/10W
R803		METAL GLAZE		5%	1/10W	R1241		METAL GLAZE		5%	1/10 <b>W</b>
R804	1-216-049-91	METAL GLAZE	1 <b>K</b>	5%	1/10W	R1243		METAL GLAZE		5%	1/10W
R805	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1245 R1246		METAL GLAZE METAL GLAZE		5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
R809	1-247-756-11	CARBON	2.2K	5%	1/2W F						
R811 R812		METAL OXIDE METAL GLAZE		5%	1W F	R1247 R1248		METAL GLAZE METAL GLAZE		5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
R816	1-249-437-11			5% 5%	1/10W 1/4W	R1246		METAL GLAZE		5%	1/10W
						R1250	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R820 R821		METAL GLAZE METAL OXIDE		5% 5%	1/10W 3W F	R1251	1-216-119-00	METAL GLAZE	820 <b>K</b>	5%	1/10W
R822		METAL OXIDE		5%	lW F	R1252	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R823	1-247-756-11	CARBON	2.2K	5%	1/2W F	R1253		METAL GLAZE		5%	1/10W
R825	1-249-392-11	CARBON	8.2	5%	1/4W F	R1255 R1513		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R826	1-216-059-00	METAL GLAZE	2.7 <b>K</b>	5%	1/10W	R1514		METAL GLAZE		5%	1/10W
R827		METAL GLAZE		5%	1/10W	D1515	1 217 025 01	METAL CLASE	100	e at	1/10337
R828 R829		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W	R1515	1-210-023-91	METAL GLAZE	100	5%	1/10 <b>W</b>
R831		METAL OXIDE		5%	IW F						
R832	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W			<switch></switch>			
R834		METAL GLAZE		5%	1/10W	S601	∆ 1-571-433-31	SWITCH, PUSH	(AC POWE	R)	
R851	1-249-382-11			5%	1/4W F	S801		SWITCH, LEVER	₹		
R852 R853	1-249-417-11 1-249-377-11			5% 5%	1/4W F 1/4W F	S901 S902		SWITCH, PUSH SWITCH, PUSH			
	121,57,11	Cimbon				S903		SWITCH, PUSH			
R854 R855	1-249-377-11 1-202-818-00			5% 20%	1/4W F 1/2W	S904	1 570 577 11	SWITCH, PUSH			
R856	1-249-431-11			5%	1/2W 1/4W	S905		SWITCH, PUSH			
R857	1-249-438-11	CARBON	56 <b>K</b>	5%	1/4W			,			
R858	1-216-370-11	METAL OXIDE	1.2	5%	2W F			<spark gap=""></spark>			
R860	1-247-887-00		220K	5%	1/4W						
R881 R882		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W	SG801	1-519-422-11	GAP, SPARK			
R883		METAL GLAZE		5% 5%	1/10W 1/10W						
R895		METAL OXIDE		5%	1W F			<filter></filter>			
R898	1-249-421-11	CARBON	2.2K	5%	1/4 <b>W</b>	SWF401	1-760-771-11	FILTER, SURFA	CE WAVE		
R902	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	5 111 101	1 700 771 11	i ib i bit, b c ita i i	CD		
R904 R905		METAL GLAZE		5%	1/10W			ATD A MICEODAGE	D.		
R906		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W			<transforme< td=""><td>.K&gt;</td><td></td><td></td></transforme<>	.K>		
								TRANSFORMER			SRT)
R907 R908	1-216-055-00	METAL GLAZE METAL GLAZE	1.8K	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>	T605 . T801		TRANSFORMER TRANSFORMER			DRIVE
R909	1-216-061-00	METAL GLAZE	3.3K	5%	1/10 <b>W</b>			TRANSFORMER			
R910	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W						
R911	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W			<thermistor:< td=""><td>&gt;</td><td></td><td></td></thermistor:<>	>		
R913		METAL GLAZE		5%	1/10W					000000000000000000000000000000000000000	
R914 R915		) METAL GLAZE ) METAL GLAZE		5% 5%	1/10 <b>W</b> 1/10 <b>W</b>	THP601	<b>∆ 1-810-961-11</b>	THERMISTOR, I	OSITIVE		
R1201	1-216-023-00	METAL GLAZE	82	5%	1/10 <b>W</b>						
R1202		METAL GLAZE		5%	1/10W			<tuner></tuner>			
R1203	1-216-089-91	METAL GLAZE	47 <b>K</b>	5%	1/10 <b>W</b>	TU101	<b>Д 8-598-323-0</b> 0	TUNER BT-AG4	01		i i
R1205		METAL GLAZE		5%	1/10 <b>W</b>						
						•					



REF. NO.	PART NO.	DESCRIPTION	REMARK
		<crystal></crystal>	
X101 X300 X358 X443	1-411-752-11 1-567-505-11	VIBRATOR, CERAMIC COIL OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL	